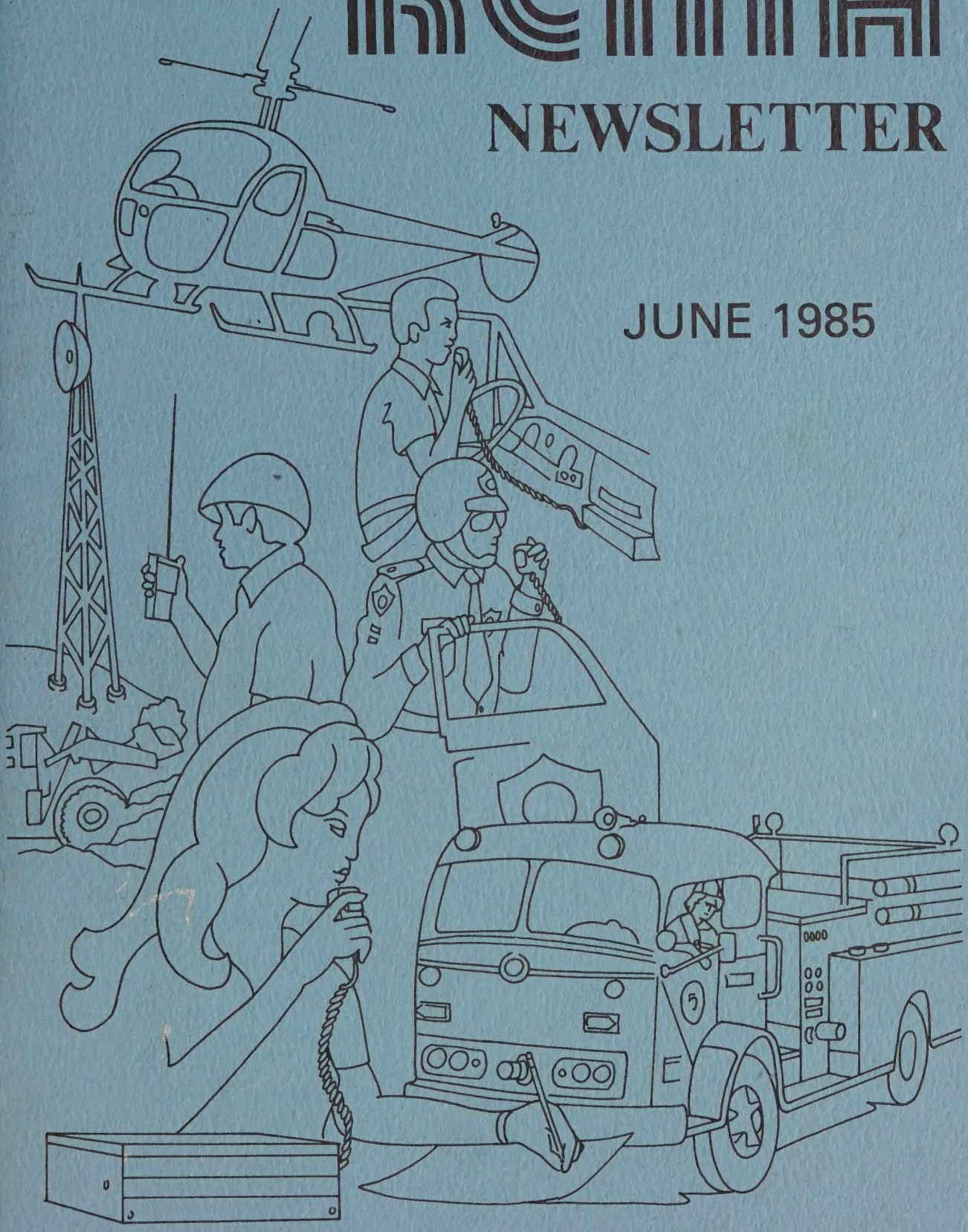
RCMA

NEWSLETTER



JUNE 1985

FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

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FOR YOUR INFORMATION:

1. All club business, unless otherwise noted, must be addressed to R.C.M.A. General Manager, P.O. Box 542, Silverado, CA 92676. This includes matters that relate to renewals, changes of address, newsletter delivery problems, joining the club, etc.

2. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, 1 West Potomac, Williamsport, MD 21795.

3. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA General Manager, P.O. Box 542, Silverado, CA 92676.

4. Please include your RCMA membership number with all correspondence to newsletter editors or club headquarters.

5. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

6. Please write on only one side of the paper.

7. Please don't combine in one letter several items that should go to different addresses.

8. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

9. Your RCMA membership number and expiration date appear on your newsletter mailing label.

10. You may join or renew your membership for ONLY one year at a time.

11. RCMA accepts paid advertising. For information on advertising rates and mechanical requirements, contact Carol Ruth, RCMA Advertising Manager, P.O. Box 542, Silverado, CA 92676.

RCMA NEWSLETTER

Issue 112 June 1985

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RCMA, P.O. Box 4563, Anaheim, CA 92803

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TO ALL RCMA MEMBERS AND PROSPECTIVE MEMBERS

PLEASE ADDRESS ALL CORRESPONDENCE (INQUIRIES ABOUT MEMBERSHIP, RENEWALS, ADDRESS CHANGES, DELIVERY OR RENEWAL PROBLEMS) TO:

RCMA GENERAL MANAGER
P.O. BOX 542
SILVERADO, CA 92676

CORRESPONDENCE SENT TO RCMA'S ANAHEIM POST OFFICE BOX WILL STILL BE ANSWERED, BUT THERE WILL BE A 4 – 6 WEEK DELAY.

The RCMA Newsletter is published by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, P.O. Box 4563, Anaheim, CA 92803. Subscription rate/membership fee is $16.50 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico–$18.50; Europe–$20.00, South Pacific and Asia–$21.50. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted ©. Reproduction of any material in this newsletter is prohibited without prior written consent.

RCMA

° ° ° Calendar ° ° °

Send notices of upcoming events for the Calendar section to:
John R. Clark, 2701 Fairview Road, Costa Mesa, CA 92602
Please send notices well in advance of the Newsletter deadline.

R.C.M.A. Greater L.A. Area Chapter

Contact : Eric J. Christensen (CA-LA-045)
P.O. Box 3962 Santa Fe Springs, CA 90670-1962

May 23 FRIDAY Tour Los Angeles Rapid Transit District

R.C.M.A. Chicago

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Meetings: NANCINI'S Resturant 5555 St Charles Road, Berkeley, IL
two blocks east of St Charles Road exit from Eisenhouer
Expressway Extention I-290 (phone 312 544 7277)

Saturday	June	8, 1985	1:00 PM
Saturday	August	3, 1985	1:00 PM
Sunday	August	18, 1985	Field Exercise
Saturday	September	21, 1985	1:00 PM
Saturday	November	16, 1985	1:00 PM

Visitors are welcome but please confirm the date in advance.

A SASE on file assures notification of tours and other items which may be scheduled on short notice.

R.C.M.A. Philadelphia

Contact: Gerald M. Schoaf, Floyd Schoenberg, C. Willard Load
PA-036 PA-076 PA-164
P.O. Box 213, Upper Derby, PA 19082 (215) 356-1982

Meeting the first Monday of the month, 7:30 PM at

Saint James Church Next to "The Grange"
Corner of Myrtle Ave & Warwick Road
Haverford, PA 19083

Talk In On: CB Channel 9 GMRS 467/462.675 Hams 147.66/.06

R.C.M.A. for D.C., MD, VA, & DE

Contact: Capitol Hill Monitors % Alan Henney (MD 069)
6912 Prince Georges Ave, Takoma Park, MD 20912

R.C.M.A. Minneapolis-St. Paul Area

Contact: Chuck Steier MN-008 (612) 927-9253
4820 Hwy 7, Minneapolis, MN 55416

A SASE on file assures notification of chapter activities (tours, gatherings, etc). Non members are welcome to attend.

All Ohio Scanner Club

David B. Marshall OH 146 President
50 Villa Road, Springfield, OH 45503 - 1036

The All Ohio Scanner Club also offers coverage of Indiana, Kentucky, Michigan, Pennsylvania, Tennessee, West Virginia, and Ontario, Canada. We welcome members from these and other areas who wish to join our club. Sample Newsletter: $1.00 plus .22 stamp. Membership information for a large SASE.

Saturday August 3, 1985 First Annual Summer Meeting at a state park in the Columbus, Ohio area. RCMA members are invited. Send SASE for info.

Austin Area Radio Listeners Meeting

Meeting every 2nd Tuesday 6:45 PM Austin Public Library 4th floor room B. For more information, contact Richard Quintanilla TX 043 Austin Radio Club, P.O. Box 5053, Austin TX 78763

Tuesday	March	12, 1985
Tuesday	April	9, 1985
Tuesday	May	14, 1985
Tuesday	June	11, 1985

Southern New England Scanners Club

Contact Maurice Dennis Dandeneau RI-017 SNEC President 401-732-0812
P.O. Box 7052, Warwick, RI 02887 (modem on phone)

NEED BACK ISSUES OF THE RCMA NEWSLETTER?

Lots (Months/Year)	No. of Issues	Price
Sept 75 – June/July 76 (No Oct or Nov Published)	7	$2.00
August – Dec 76 (No Oct published)	4	$3.00
Jan – June 77	6	$4.00
July – Dec 77	6	$4.00
Jan – June 78	6	$5.00
July – Dec 78	6	$5.00
Jan – June 79	6	$6.00
July – Dec 79	6	$7.00

1980–to date issues are available at $1.50 per copy

Order Total	Include This Amount of Postage
$ 1.50 – $ 5	$1.20
$ 5.50 – $10	$2.25
$10.50 – $15	$3.30
$15.50 – $25	$4.15
$25.50 – $35	$5.50
Over $35	$7.00

Send your request & check/ M.O. (payable to RCMA) to Secretary Bill Ell, 2831 Hermanos St., Pasadena, CA 91107

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

For an annual subscription to the ANARC Newsletter, send $5 to:
Joe Barr, 1500 Bunbury Drive, Whittier, CA 90601. ($8 overseas subscription.)

ANARC 1985 Convention will be held in Milwaukee, Wisconsin, July 19-22. For details send SASE to ANARCON '85 P.O. Box 24 Cambridge, WI 53523. The Red Carpet Hotel, 4747 S Howell Ave adjacent to the Milwaukee airport, will be convention headquarters. Convention Chairman is Mike Kitter, 1985 publisher of the ANARC Newsletter.

ANARC 1986 Convention will be held June 18-20 in Montreal, Quebec, Canada, hosted by Ian McFarland and Radio Canada International

Central Maryland Dx Association meets on the 2nd Monday of each month. for information contact Tony Kobylski (301) 563 0039

MAY 24 TO 27 EUROPEAN DX COUNCIL - 19th annual congress, Madrid, Spain Information for 3 I.R.C. to Radio Exterior de Espana, P.O. Box 156-202, 28080, Madrid, Spain.

SOUTHERN CALIFORNAI AREA DXERS (SCADS) Meeting June 15th Saturday 10AM-4PM Village View School Autitorium, 5361 Sisson Drive (at Bolsa Chica) Huntington Beach, CA. Speaker: Bill Pasternak, Editor "The Westlink Report", talking on "Radio Operations from Space." A Video Tape on "Amateur Radio's Newest Frontier." RADIO WEST will be displaying the latest in SWL equipment. For more details send a SASE to Don Schmidt, 3809 Rose Ave., Long Beach CA 90807

WORLDWIDE TV/FM DX ASSOCIATION Annual Convention August 2 to 4. Hosted by Ron LeBlanc. Planned are visits to transmitter site of WRNO and to local AM, FM and TV stations in New Orleans, LA. For details send a SASE to WTFDA, P.O. Box 514, Buffalo, NY 14205-0514.

NATIONAL RADIO CLUB Annual Labor Day Convention August 30 to September 2. in Rhode Island. For details send a SASE to National Radio Club 1985 Convention, P.O. Box 24, Cambridge, WI 53523-0024.

ASSOCIATION OF DX REPORTERS had been elected to Full Member Status in ANARC. ADXR is the successor to the late poineer "Newark News Radio Club". ADXR's monthly bulletin "DX Reporter" covers shortwave, mediumwave, FM/TV, Amateurs, and Utilities. Sample bulletin is $1.00 or 5 IRC's. Write to ADXR, 7008 Plymouth Road, Baltimore, Maryland 21208.

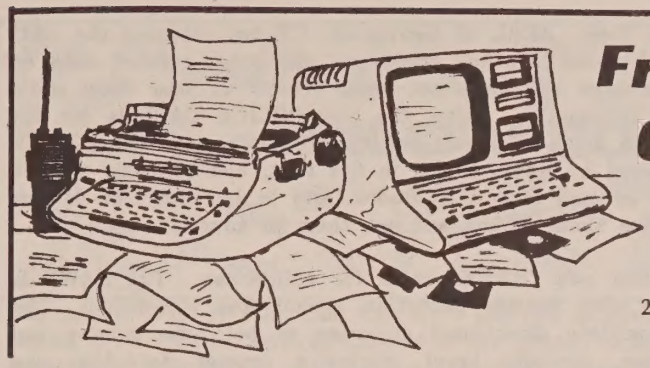
HAWAII DXERS An informal gtheering of DXers on all bands is held on the third Saturday of each months at various locations on Oahu. Visitors are welcome. For details call Dale Park (808) 523-1284 after 9 PM HST. Please no collect calls.

MINNESOTA DX CLUB has elected new officers. President is Bob Gundersen, Secretary is Ted Holdman, Club Address is MDXC, 5212 Drew Ave South, Minneapolis, MN 55410

SOUTHERS CROSS DX CLUB has appointed Hugh Crompton as Chief Editor of the monthly "DX Post". For information send 3 I.R.C.'s to Southern Cross DX Club GPO Box 1487, Adelaide, South Australia 5001 Australia.

1985 Edition of The DXer's Directory compiled by Fred Osterman, is now available. $4.95 plus $1.05 shipping. Data on over 850 listeners worldwide, plus photos, and data on over 100 radio clubs. Fred Osterman, Universal Shortwave Radio, 1280 Aida Drive, Reynoldsburg, Ohio 43068.

"The World is Yours" by Samuel R. Alcorn. A 64 page paper-back book to lead the novice into shortwave radio, with charts, diagrams and equipment data. Gilfer Associates, 52 Park Ave, P.O. Box 239, Park Ridge, NJ 07656 $2.95+$1.00 for shiping.



From The CAPTAIN'S DESK

William Mauldin, RCMA General Editor
2268 N.W. 30th Rd., Boca Raton, FL 33431

Welcome to the First Edition of my new column! As mentioned, leaving Public Safety Southeast was most difficult, but I am sure John Dorsey will do an excellent job with the column, as John has a keen interest in Public Safety communications and was a big help when I need it. I hope all of you will give John the support that you have given me and the other editors!

The primary job of your new General Editor is going to be getting you, the club member, more involved in the RCMA and in the data in the NEWSLETTER. If space permits, there will be a pull out "centerfold" survey in this months magazine. We need to have a better understanding of what YOU want and need from our publication and club. As I have stated before, a club is something that you "join" and "take part" in. We have lots of members out there who supply the data for everyone else to read. Many of you just subscribe to the NEWSLETTER and never send in anything. Not only is this not being fair to the other members who do the research, writing and printing, but we are not getting the most from our potential. I am asking you to think about this, and make a new effort to send in something to the editor of your choice at least twice a year. If nothing else, copy down the channels off your scanner display and send them in with assignments and comments! Please do your part too! I have found that the quickest way to get your area or favorite subject covered is to submit something to that editor and have him print it. Then, watch the corrections and updates roll in!

I am hoping that every member will take five minutes from their busy monitoring hobby to pull the survey from the centerfold, answer the questions, and mail it in! The direction of our club and of the NEWSLETTER in coming months will be a direct result of the answers we get. If you don't answer, and your most interesting section is omitted from the publication, then you have no one to blame but yourself. I will not continue on this subject any further, but I do hope you will take part. You pay $16.50 a year for this book and your membership. Take a minute to get your money's worth, won't you!

The RADIO SHOWS section of Public Safety Southeast will be shown in this column in the future. As most of my old readers know, the Southeastern Repeater Association supplies me with most of the radio show locations and dates. These are generally for the SE area of the USA. I would like to print data on other shows too, but need the information at least three months in advance to ensure publication. If you know of any event that other RCMA members might enjoy attending, send me the information and we will print it here!

RADIO SHOWS FOR JUNE & JULY 1985:

June 2*	Hamfest and Swapfest, Humbolt, TN
June 2*	Hamfest and Radio Show, Manassas, Virginia
June 8*	Hamfest and Swap Meet, Bowling Green, Kentucky
June 13 & 14*	Radiofest and Swapshop, Rossville, Georgia
July 6 & 7	Georgia State ARRL Convention, Atlanta, GA
July 6 & 7	West Virginia Radio Council & Hamfest, Jackson Mills, WV
July 20	Weekend Hamfest, Cary, North Carolina
July 20*	Hamfest and fleamarket, Anniston, AL
July 20 & 21	Hamfest and fleamarket, Crossville, Tennessee
July 21*	TSRAC Hamfest, Wheeling, West Virginia
July 20 & 21*	Weekend Swapfest, Charleston, South Carolina
July 27 & 28*	Hamfest & Radio Show, Asheville, North Carolina
July 28*	Hamfest, Nashville, Tennessee
July 28*	BRATS Hamfest, West Friendship, Maryland
July 28*	Jax County Hamfest, Ripley, West Virginia

*Indicates dates based on last years event. Listen to local amateur repeater conversations for details about locations and admissions. We wish to thank the Southeastern Repeater Association, Post Office Box 5655, Greensboro, NC 27435 for their assistance with this information! Most events do charge admission, but some are free. All radio buffs welcome!

Another subject to be covered in this column is hobby-related publications. We will not be "giving" free advertising to publishers, but when things are published by others that might be

of interest to you, we will tell you about them. ARRL of Newington, CT has released the 1985 1986 REPEATER DIRECTORY. This book gives location, frequency and other related data on ALL amateur repeaters. If you are interested and have not seen a copy at your local radio store, write ARRL in Newington, CT for information. Also, the new POLICE CALL is out for this year. No other publication contains as much data as Gene Hughes packs into the POLICE CALL volumes. These have been distributed by Radio Shack in the past, and probably will be again this year. They are also available by mail from U.S. Radio Data in Lebanon, NJ. If you write them for mail order service, tell them about RCMA and ask them to advertise with us!

Kustom Electronics Inc. just announced their new "HAWK" radar for police use. The HAWK is the only multi-directional coverage radar with jammer detection circuit and stopwatch! The radar system offers a combination of complete directional coverage in both the moving and stationary modes (front, rear, same lane, opposite lane), exclusive jammer detection and electronic stopwatch capability. Quite a device, to say the least. Kustom took four years to develope the new police speed radar. The control unit is palm sized for easy operation in the patrol car, offers a counting unit that automatically cross checks accuracy at least 20 times per second, plus offering elapsed time/speed computation capability to completely evade radar detectors. Radar gun antennas fit in both front and rear windows of the patrol vehicle.

The Las Vegas Police have recently taken bids for a completely new dispatch system for police use in their city. The new system will call for revamping the control and command centers with the latest MDT transmit and receive units. City patrol vehicles will soon have the new terminals and will be able to send and receive through the new vehicle MDT units. The system will allow patrol officers to communicate with a selection of dispatcher desks, and will allow officers to receive calls in privacy, check license records, property ownerships and so on. The 167 terminal system by Mobile Data International will include a complete multi-site transmission system that will cover the entire Las Vegas area on the 450 MHz band with new General Electric radios.

If any member has a good basic understanding of the MDT system and how the system works, this would be a good subject for a guest article. If you are not interested in writing a guest article on the subject, drop Steve of Tech Topics a note on how the system works, baud rates, tones and so on for his publication.

Hurricane Season starts this month. This is of little direct concern to those of you living inland, however, it offers some excellent monitoring. The National Weather Srevice in Miami sends all hurricane weather information, and during the storm season there is a complete amateur radio station set up and ready to go in the National Hurricane Center in Miami. When a storm is a threat to land and population, a shortwave net is activated on 14.325.0 MHz. The upper sideband net offers general information to ships and maritime interests at first, and then as storm warnings are posted, health, welfare and emergency traffic is passed on the frequency. This is a very interesting frequency when storms are active!

Remember to send the survey in right away! We need your comments, interest needs, and other answers to make the publication more interesting and useful!

your thoughts

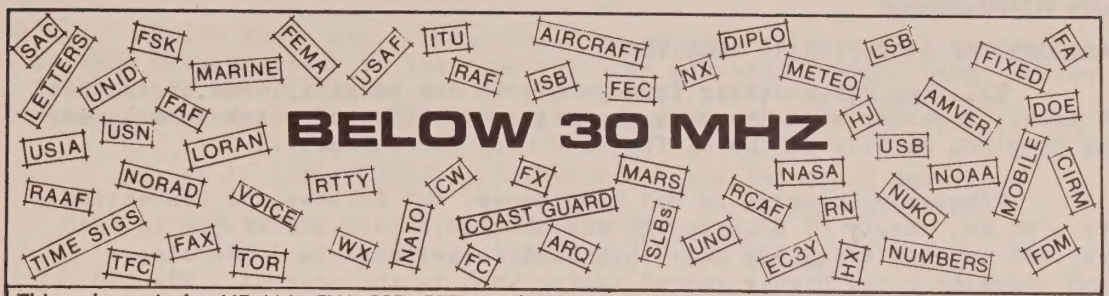
Ginny Slick, RCMA Assistant Editor
1 West Potomic, Williamsport, MD 21795

Want to write a "letter to the editor?" YOUR THOUGHTS is the column in which comments by members will continue to be published. Let Ginny hear from you.

Aircraft

Send private, commercial, firefighting and law enforcement aircraft frequencies of interest in the 108-136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft plus questions, articles and tips related to aircraft monitoring to:

The Aircraft Editor is in the process of moving and does not yet have an address to which contributions for this column are to be sent.



This column is for HF AM, CW, SSB, RTTY and FAX reception reports, notes, articles, and questions related to HF utilities. Services covered in this column include aeronautical, coastal/marine, weather, government, military and 'spy' stations – essentially everything except broadcasting, CB and amateur radio.

Send reports to: Geoff Halligey, 85 Southwood Road, Cottingham, England, HU16 5AJ.

CORDLESS PHONES

A leaflet from British Telecom gives some additional information to that already published in this column:

Channel Freqs.	Base unit, 1.7 MHz (transmit) 47.5 MHz (receive) Hand set, 47.5 MHz (transmit) 1.7 MHz (receive)
Range	100 metres under optimum conditions, slightly less for the ringing tone.
Security	Each phone is protected from unauthorised access by other cordless phone users by its own security code which is preset at the factory and cannot be altered.
Discouraging Footnote *	This British made phone has been designed to operate on radio frequencies which have been assigned to the exclusive use of cordless phones until the end of 1986. Thereafter the government may propose to assign the current frequencies to other users which may result in a reduction in the quality of service.

RADIO SHACK DX-400/UNIDEN CR 2021

It now appears that manufacture of these useful portable rxs has ceased, after the production of 4000 units.

HF CONDITIONS

HF propogation conditions have rarely been so poor. In the UK this March there are virtually no signals above 22 MHz in daytime apart from one or two - and only one or two - high power broadcasters like RSA, struggling through on 25 MHz. After dark, there is not even a ham to be heard on 14, indeed signals above 12 MHz are just not there.

A correspondent in Australia tells me that he also has never known such atrocious conditions. On 13 MHz, WCC Chatham, Mass., used to boom through to his location, but now it is not to be heard at all. Yet at times KLC Galveston, TX and WFD Tampa, FL both low powered secondary stations, occasionally give excellent reception on 13 for hours on end.

GERMAN 'SPORTS' STATIONS

There are a couple of unusual USB stations on the air frequently from around 1400 (earlier at weekends) to 1900 gmt or later.

These stations are operated by Deutsche Welle from Jülich in West Germany on behalf of the Deutsche Sports Verlag (German Sports Publishing Co.) on 5195 and 5435 kHz. Their transmissions, usually in parallel, are links to relay stations in Kigali (Rwanda), Malta, the Caribbean area and South East Asia.

The content of the transmissions are sports commentaries (football, racing, etc.) from France and Germany, plus betting and totalisator prices. In between commentaries a mirror tape is run, sometimes giving callsigns - DGE25 (5195) and DGE33 (5435). At other times an announcement of the content, e.g.,"Frankreich Toto" is broadcast.

PANASONIC RF-3100L (DR31) RECEIVER

This new PLL receiver from Panasonic has recently come on to the UK market together with the more expensive RF-B600L, of which more later. The RF-3100L retails in the UK for £220 (say 240 dollars).

Frequency coverage is not continuous, but follows the convention for a BC rx, namely FM 87.5 to 108 MHz, LW 150 to 410 and MW 520 to 1610 kHz. SW is 1610 to 29.999 kHz; this band is switched in 1 MHz steps then tuned by a too highly geared tuning knob to the nearest 1 kHz (10 kHz for FM) on a digital readout scale.

Power is obtained from either eight 'D' batteries or from an external AC 110/240 V supply. The speaker gives reasonable sound quality and there are sockets for headphones and phono input (DIN type).

A whip antenna is provided for FM and SW, but much better results were obtained with an external random wire on SW. A ferrite rod is built in for MW and LW. Although a carrying handle is provided, this rx is larger than the R2000 and could in no way be considered as a portable.

It appeared stable enough on FM, LW and MW, but on HF the drift needs to be experienced to be believed. Frequency stability is quoted as 'within 500 Hz during any 30 minutes after warm up (SW)' - in other words 1 kHz per hour ! The warm up period was not stated, but during a continuous 5 day test, where room temperature did not vary by more than 10^{o} F day and night, the following figures were obtained:

Switch on 1130 freq set to 10,000 kHz
by 1400 freq was 9993 kHz, and relatively stable.
Thereafter frequency readings as low as 9992 and as high as 9998 were obtained over the five days of the test, but even more disconcertingly, each hour showed a change of at least 1 kHz.

Drift apart, results as regards sensitivity and selectivity were not very good, well below the FRG7 for example. For SSB operation the coarse tuning and coarser still USB/LSB control rendered it quite hopeless.

Possibly useful as a BC rx, but otherwise a no-no.

PANASONIC RF B-600 RECEIVER

Although not tested, it was interesting to note that this £440 (480 dollars) rx has the same radio specification as its cheaper brother above; it is noteworthy, however, that certain details (e.g., frequency stability) are omitted from the B-600 spec; from which readers can draw their own conclusions.

For the extra money you get a nine channel preset memory; readout to the nearest 0.5 kHz (only) on HF; 'direct access' press button tuning and a scanning mode. Looks impressive, but.....

CHANNEL MARKERS

Bob Rankin, of Lawrence, Kansas, kindly sent me some interesting news from the pen of William I. Orr that appeared in recent issues of Popular Communications.

This author has done a lot of research into channel markers and has paid special attention to those appearing in narrow frequency bands, which he terms 'cluster beacons'. He not only lists many more of these 'clusters' that I had realized ever existed, but also has found a surprising correspondence between them, as explained below.

The bands, all 4 kHz wide, so far discovered are as follows:

3564 to 3568	10643 to 10647
5305 to 5309	13635 to 13639
6801 to 6805	17015 to 17019
8645 to 8649	20991 to 20995

While there are divergences, the general rule is that certain letters always appear in the same relative position in each band. These letters are heard both in the US and the UK, except as noted below. Taking the lowest frequency in each band as datum:

at +0.5 kHz (3564.5, 5305.5 etc.) are letters S and F (only S in the UK)
at +1.0 kHz (3565, 5306 etc.) is letter C
at +1.5 kHz (3565.5, 5306.5 etc.) are letters A and P (only P in the US)
at +2.0 kHz (3566, 5307 etc.) is letter D
at +2.5 kHz (3566.5, 5307.5 etc.) is letter G
at +3.0 kHz (3567, 5308 etc.) is letter O
at +3.5 kHz (3567.5, 5308.5 etc.) is letter Z
at +4.0 kHz (3568, 5309 etc.) is letter $\overline{U}$

The above is not a complete list of the letters logged, for while some are audible virtually throughout the day, others fade in and out as might be expected with daylight and darkness. Yet others, heard in the UK, come up at good strength for a brief, but definite, half hour only.

It is quite normal for two letters to be transmitted at a time on one channel; for example both a high speed and a low speed letter O can be heard on the same frequency at the same time, at different signal strengths.

The above refers only to the 'clusters' and not to the single letters U,K,X and so forth which have been discussed previously. Nothing has been heard over here in the 20991/5 kHz band since October '84, but this may be due to the prevailing poor propogation conditions.

Why place a 'cluster' right among a busy CW ham band, or amongst marine channels, if they are intended to be heard ? I am going to give up speculating on these puzzles, and just record them !

NEW U.S. COAST STATION

It is not often these days that a new Coast Station is opened, however, West Haven, position 41.16N 72.57E,has that honour. My rather small scale atlas puts that right by New Haven, Connecticut.

C/s WKM		Mode	CW (A1A)
Hours of service	1100 - 0300		
HF Freqs	8502	MF Freqs	442
	12745.5		500
	12948		
	22407		

Weather messages at 1300 on all above freqs (except 500)

WKM has been logged here at Cottingham at good strength on 12948 at 1430 on March 23rd.

WSC had a brief life under the name West Creek; it has now resumed its original name of Tuckerton, if I am not mistaken.

Any background on the above would be welcome.

19 MHZ LOG

Members are invited to concentrate on the Fixed Station band 19,000.0 to 19,999.9 kHz. Just what can be heard, despite what the frequency lists tell us ? Not a lot, judging by results over here, but what there is, is interesting. If members will send in their logs, I hope to publish a complete list of active stations. If this idea is successful, perhaps other segments of the spectrum can be covered later.

Best wishes to all,

Geoff

Beginners ?????? Corner

If you are new to monitoring, or have something you don't understand, please write to me at the address given below and I will try to answer your question. When possible, your questions and answers will be printed. For those who wish an immediate reply, please send a self-addressed, stamped envelope.

Bob Quinlan, 2210 N. Menard, Chicago, IL 60639

Business, Etc.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufactureers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.), General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Brandt Niemuth, P.O. Box 541, Rosemont, IL 60018

Greetings to the summer of yet another chapter of "Business Band" activity. Do to lack of input, there is no column this time around. I can not do it without you. Please, if you have input, be it comments or contribution, I would enjoy hearing from you.

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:

Rob Berezowski, 211 Costigan Bay, Saskatoon, Saskatchewan, S7J 3P4 Canada

Greetings from Saskatoon, and welcome all to the June Canada column. As of this time, the weather is just starting to become milder. It looks like spring has arrived. The end of the school term is very near, and our 4th year design projects are due. This has really added to the workload, and things have piled up. I haven't been able to answer any letters recently, so I hope all who have written will be patient a little while longer. Now let's get started with the material for this month.

To start off with, I have some material for B.C. from both Sid (CAN-109) and an anonymous, but reliable source. The latter adds to the B.C. material that appeared in the January 85 column:

- Another possible channel for the (federal) Fisheries & Oceans Dept is 141.750. (This is not confirmed)
- 140.475 is the input to 139.800R for Port Moody Police
- BCTV simplex F4 451.800
- 154.355 is probably bleed over from 154.340 for Bellingham, Wash. Fire Dept.

Our mystery source also sent in some new frequencies for BC Tel in the Vancouver, Lower Mainland area. The new UHF frequencies given below are part of a new direct-dial system. The system is automatic in that no operator assistance is required. It is not known if the system is cellular.

409.2125 / 420.2125
409.3625 / 420.3625
409.5125 / 420.5125
409.6625 / 420.6625
409.8125 / 420.8125
409.9625 / 420.9625

There is also some discussion going on about a new cellular system being installed in the Vancouver area. This new system is part of the national cellular system being set up by CANTEL of Montreal. I believe this is an 800 MHz system. Sid sent in a newspaper article that appeared in the Vancouver Sun on March 11,1985. The national cellular service will be available in Montreal, Hamilton, Oshawa and Toronto on July 1, but Vancouver will not receive the new service until at least March 1, 1986. The article covers a speech made by Paul Kavanagh, Vice-President sales & marketing for CANTEL.

In his speech, he indicates that at present there is little demand for cellular service. This is because the public as a whole do not understand the technology involved, or the benefits that are possible. People have to be convinced that they can benefit from cellular radio. Kavanagh says that a wide range of businessmen can benefit from cellular telephones - "people on the move during the day who have a need to stay in touch." He also added that the total network could support many other services such as paging, electronic mail and voice-activated terminals for data.

If any member desires more information on the CANTEL network, they can refer to my July 84 column, and they can obtain a copy of the newspaper article sent in by Sid by sending me a SASE.

Sid and our anonymous source pass on that CKVU shares their frequency of 164.520 with other businesses (Woodwards Dept Store for example). The CKVU units identify as Zebra 1, Zebra 2, Zebra Base, etc. Of course this makes it a little more difficult to monitor because you have to listen to the other businesses all the time in order to hear the CKVU news teams.

Sid also tells us that on March 23, high winds hit the Lower Mainland, and power was knocked out in several areas. Sid found 166.290 very active for BC Hydro line repair crews for all areas north of the Fraser River. 166.170 was very active for areas south of the Fraser River. Repair crews were still working Sunday as some areas were still without power. Thanks for the info, Sid. This story brings to mind a suggestion for members. I think it is a good idea to have some sort of battery supply for your scanners. A 12 volt lantern battery will allow you to listen to your scanner even when the power goes out. You can listen to the hydro crews working to get your power back on. To borrow a phrase from the ad for Emergency Planning Canada: "Radio could be your lifeline (in times of floods, blizzards,etc)."

To finish off the material for BC, I would like to pass on some more material that our anonymous source sent in. The frequencies below are very active during bad weather, and are in addition to the BC Highways frequencies printed earlier:

Burnaby	Municipal	Public	Works	169.410/168.240in
Coquitlam	"	"	"	153.710
Delta	"	"	"	155.100
Maple Ridge	"	"	"	169.380
New Westminster	"	"	"	169.590
North Vancouver	City	"	"	154.010
	"	"	"	154.070
	District	"	"	169.740
Pitt Meadows	Municipal	"	"	154.710
Port Coquitlam	"	"	"	165.330
Port Moody	"	"	"	159.180
Richmond	"	"	"	158.730
				159.075
Surrey	"	"	"	169.350
Vancouver	"	"	"	143.175/148.165in
				143.505/148.315in
				143.655/148.495in
				143.745/148.615in
West Vancouver	"	"	"	169.110
White Rock	"	"	"	169.290

Our anonymous source passes on a couple of additional items.

The Coquitlam RCMP have joined the B Unit Freeway Patrol in installing MRDS mobile data terminals (MDTs), operating with the Vancouver PD system. It is not known if any more RCMP dtachments will receive the MDTs. Our source also gives some information he has deduced on the BC Emergency Health Services unit numbers:

Greater Vancouver Region - G units (eg. G19). Each city ambulance is identified by letters (A,B,..)

Lower Valley (and Sunshine Coast) - Zone 3

example 3xx#

xx - Station number

Stn 18 Mission

Stn 19 Pemberton

Stn 02 Abbotsford

- Ambulance number

Thanks for all of this material go to Sid and our mystery member. The column couldn't be the same without your help.

Next we move to Eastern Canada with some material from Tom (CAN-084). Tom passes on some information on the Ontario Min of Transport & Comm. (MTC). Apparently during the latter part of February, there was a lot of rain in Tom's area. The above average temperatures added to the flooding problem in the Thames River between London & Chatham, and a lot of closed roads. The MTC was busy with road closures and other hazards. Tom found activity on 143.730, 143.805, 143.970, and 143.880. 143.970 was used in the Stratford area, and the others are used in the Windsor-Chatham areas. The areas south of Chatham have been heard on 165.280. Tom believes that the 143 MHz frequencies are used in the areas north of highway 401, while the 165 MHz frequencies are used south of the 401.

Tom also sent in an article that appeared in the London Free Press on March 6, 1985. This article covers the new centralized ambulance dispatch center that will be in place in London in June. The new center will be responsible for dispatching ambulances in the London region. Many of the local ambulances have had their own dispatchers, and as a result of the centralized dispatching, many of these dispatchers will lose their jobs. The Ministry of Health has allowed all of these dispatchers to apply to work in the new center, and the Ministry has narrowed down the list. The new dispatch center will employ 8 full-time dispatchers, compared to the old system where 15 full-time dispatchers were in the larger centers (such as London, Woodstock, St Thomas and Ingersoll), and several part-time dispatchers in the 16 smaller communities serviced by the new center.

Under the new system, ambulances will still be community-based, but will be dispatched from London. Ambulance services in London, Parkhill, Strathroy, Zurich and Lucan will be the first to join the new system in June. Woodstock-Ingersoll, St Thomas, Dashwood, Glencoe, Rodney, Langton, Port Rowan, Tillsonburg, St Marys and Stratford will be added by March, 1986. Tom says that at present, all ambulances in this area have 150.100, the provincial ambulance channel, and he presumes that this frequency will continue to be used for dispatch. London's Thames Valley Ambulance Co uses 149.410 in addition to 150.100.

Tom also passes on some information regarding the new OPP system. Even though the repeaters are still transmitting idle markers and carriers, the radios have been taken out of the patrol cars. The antennas for the new radios are still mounted on the patrol cars. One of the OPP officers commented that the new radio equipment, along with the old equipment still in use, filled the entire trunk of the car! The system seems to be in a state of limbo at the moment.

I'm sure Tom will pass on any new information he gets on the development of the new OPP system. Thanks for the material, Tom. Incidently, if any member wishes a copy of the newspaper article sent in by Tom, they can send me a SASE.

Next we have a letter from Larry (MI-001). In a letter dated Jan 23, he relates how the weather had recently turned bitterly cold. There were times this winter in Saskatoon where the high for the day was -29°C. But whatever country it is in, -30°C is cold!! While Larry was inside (stoking up that fireplace really well), he sent in some frequencies used for road clearing in the Windsor area:

162.330	City of Windsor
163.995	Ont Min of Trans & Comm (Prov Highways)
169.140	Essex County road crews

Through Larry's experience, he has found 162.330 is the most active. Because the signals are heard rather weak at Larry's location, he figures that the base antennas are beamed away from the U.S. border. This would be to protect U.S. agencies on nearby frequencies. I'm sure this is all co-ordinated through our DOC and the American FCC, and other involved agencies. Thanks for the information Larry, and I promise I'll answer your letter soon.

Now we move to Alberta with two letters. The first letter is from Harry (CAN-074). He sent in a very interesting letter. I'm glad to hear you had a good time on your trip down south. He passes on some information on the Edmonton Ambulance Authority. Harry has deduced that the 300 series regimental numbers are for the paramedics. When the ambulances book on, they give the regimental numbers for the crew members. Harry figures that the 100 series are the drivers, and the 200 series are the Emergency Medical Technicians (E.M.T.s). Harry has not confirmed this, (it does make sense though) but he is sure the 300s are the PMs.

Harry has also heard the RCMP Emergency Response Teams (ERT, equivalent to 'SWAT' teams south of the 49th) in his area using the identifier Zulu (eg. Zulu 1, Zulu 2) when on the radio. These particular ERT teams were responding to Vegreville, Alta. Two RCMP members in the town were ambushed by a known police hater. One officer was wounded, and in desperation was rushed to Edmonton hospital. He later died. The culprit was also shot later. Over 1000 officers from across Canada attended the funeral. Thanks for the letter Harry.

Our next letter from Alberta comes from Luke (CAN-110). Welcome to RCMA, Luke. I know you will enjoy your membership. Luke is presently attending U of L, and of course does not have much spare time.(I know the feeling Luke) Luke sent in the following frequencies for the Lethbridge area:

Lethbridge Fire Dept		Ch 1	153.950
		Ch 2	153.065
Lethbridge Ambulance			158.760
Lethbridge Police Dept	Main Disp	Ch 1	413.2625
		Ch 2	413.6375
		Ch 3	413.0875
Bridge-Comm repeater			163.200
Tru-Mix Concrete			151.625
Lethbridge Concrete			158.400
Southern Alberta Processing			163.380
Logic Truss & Lumber		CYY 677	167.640
Coaldale Police	(autopatch)		151.145

From my own files Luke, here are some more frequencies for the Lethbridge area. You may wish to check them out.

Time Air	129.550
Royal Trust Corp of Canada	149.020
University of Lethbridge	39.240
	149.470
Sick's Lethbridge Brewery Ltd	469 925
Lethbridge Regional Hospital	158.760
	159.570
Southern Alberta Broadcasting	150.425
	152.990
	455.550
Alberta Motor Association	165.990
Alberta Housing & Public Works	452.8625/457.8625in 453.4625

Alta Housing & Public Works are responsible for provincial jails in Alberta, so the latter two frequencies are probably for a jail in the Lethbridge area. I also have 413.1625 listed for the Lethbridge Police Dept. I hope you have time to check these frequencies out Luke. Let us know what you hear on them.

Luke also sent in a copy of an ad from the Canadian Defence Quarterly on a dream scanning receiver. Actually the receiver is intended for heavy-duty RF surveillance work. The receiver is capable of being remotely controlled by a computer through an IEEE-488 bus. The ad doesn't give a price, but I think we're talking 4 or 5 digits as a rough cost here. Of course if anyone is interested, I

can send them a copy of the ad for a SASE. Incidently, the ad was placed by Watkins-Johnson Co of Gaithersburg, Maryland, and the receiver spotlighted is the WJ-8617B.

Luke also sent in a map of the Alta Govt Telephones mobile telephone coverage area. I haven't quite figured out how to copy it yet, but if anyone is interested in getting a copy, drop me a line It may be possible for members to obtain their own copies of mobile telephone coverage charts by contacting their local phone companies. Thanks for the material Luke. I hope we will be hearing more from you in the future.

With that I will close this month's column. Contributions have thinned out a little bit, so I hope the members out there will recognize my subtle hint and send some material in. Until next month, best wishes to all

COMMUNICATIONS PROFILE

Cliff Polkinghorn, 14310 Acacia St., San Leandro, CA 94579

This column is for special projects that explain various radio systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution must be lengthy enough that publishing it in one of the regular columns would not be possible. If you are inclined to submit a report as the one below appears, please follow No. 8 in the inside front cover of the Newsletter.

Well, here we are in June, 1985—this month we are going to look at Part II of "C.D.F."—Part III will be Region 6 all by itself (the big one).

I am sorry all of you have had to wait so long for this info to come into print, but unfortunately it was unavoidable. I hope everyone out there appreciates the info provided by your fellow members. I know I sure do!

— ENJOY —

REGION #1- NORTH COAST-HQ. 135 RIDGEWAY AVE., SANTA ROSA, CA. 95401
C/O LOCAL RANGER UNITS--MENDOCINO
17501 N. HIGHWAY 101
WILLITS, CA. 95490 ID# 1100 SERIES
c/o STATION INFO:
BOONVILLE- PO BOX 464, BOONVILLE CA. 95415 707-895-3323
COVELO- PO BOX 7 COVELO, CA. 95428 707-983-2665
FORT BRAGG- PO BOX 1185 FORT BRAGG, CA. 95437 707-964-5673
HOPLAND- PO BOX 415 HOPLAND, CA. 95549 707-744-1111
HOWARD FOREST HEIGHTS- 175 NO. HIGHWAY 101, WILLITS, CA. 95490 707-459-5561
LAYTONVILLE- 46101 NO. HIGHWAY 101 LAYTONVILLE, CA. 95454 707-984-2154
LEGGETT VALLEY- PO BOX 156 LEGGETT CA. 95455 707-925-6414
POINT ARENA- PO BOX 134 POINT ARENA, CA. 95468 707-882-2151
UKIAH- 2690 NO STATE ST. UKIAH, CA. 95482 707-462-6153
WOOKLANDS- PO BOX 141 MENDOCINO, CA. 95460 707-937-5765

HUMBOLDT/DEL NORTE
118 FORTUNA BLVD.
FORTUNA, CA. 95540 (PO BOX 516) 707-725-4413 1200 SERIES
c/o STATION INFO:
ALDERPOINT- PO BOX 248 ALDERPOINT CA. 95411 707-926-5353
BRIDGEVILLE- PO BOX 8 BRIDGEVILLE CA. 95526 707-777-3636
CRESENT CITY- RT. 2 BOX "F" CRESENT CITY, CA. 95531 707-464-5526
ELK CAMP- PO BOX 278 ORICK, CA. 95555 707-443-3023 (EXT 3871)
FORTUNA- PO BOX 516 (118 FORTUNA BLVD.) FORTUNA CA. 95540
GARBERVILLE- 598 HARRIS RD., GARBERVILLE, CA. 95440 707-923-2645
KLAMATH- PO BOX 307 KLAMATH CA. 95548 707-482-3731
MATTOLA- PO BOX 71, HONEYDEW, CA. 95545 707-629-3344
THORN- GENERAL DELIVERY WHITEHORN, CA. 95489 707-986-7553
TRINIDAD- PO BOX AK, TRINIDAD CA. 95570 707-677-3638
WEOTT- PO BOX 161 WEOTT CA. 95571 707-946-2215
LAKE/NAPA/SOLANO/YOLO
1572 RAILROAD AVE.
ST. HELENA, CA. 94574 707-963-3601 ID# 1300 SERIES

c/o STATION INFO:
BROOKS- STAR ROUTE BOX 34 CAPAY, CA. 95607
c/o 1363
CLEARLAKE OAKS- 140 SPRINGS RD. CLEARLAKE OAKS CA. 95423 707-998-3711
GORDON VALLEY- RT 1 BOX 93-A SUISUN, CA. 94585 707-425-3066
c/o 1364
KELSEY-COBB- 8948 HIGHWAY 175, KELSEYVILLE, CA. 95451 707-279-4924
LAS POSADAS- LAS POSADAS RD. ANGWIN, CA. 94508 707-965-2471
c/o 1380
LEESVILLE- STAR ROUTE, WILLIAMS, CA. 95987 916-473-2615
c/o 1362
MIDDLETOWN- PO BOX 428, MIDDLETOWN, CA. 95461 707-987-3122
NAPA- 3400 JEFFERSON ST., NAPA, CA. 94558 707-255-5221
c/o 1385, 1390, 1394
SPANISH FLAT- 4454 KNOXVILLE RD., NAPA, CA. 94558 707-966-2344
c/o 1344, DOZER ??, 1365, 1381, 1395
ST. HELENA F.F.S.- 3535 ST. HELENA HIGHWAY NORTH, ST. HELENA, CA. 94515
STATION PHONE 707-963-4343, AUTOSHOP PHONE "7550", SERVICE CTR. PHONE "9563"
c/o 1342, DOZER # ??, 1376, 1382, 1391
WILBUR SPRINGS- STAR ROUTE, WILLIAMS, CA. 95987 916-473-2630
c/o 1366
YOUNTVILLE- 6587 JEFFERSON ST. YOUNTVILLE, CA. 94599 707-944-8887
c/o 1386

SONOMA
2560 W. COLLEGE AVE.
SANTA ROSA, CA. 95401 707-546-1544 ID# 1400 SERIES

c/o STATION INFO:
AIRPORT- 2235 AIRPORT BLVD. SANTA ROSA, CA. 95401 707-528-2494
CAZADERO- 4600 CAZADERO HIGHWAY, CAZADERO, CA. 95421 707-528-2494
c/o 1479
CLOVERDALE- 28930 REDWOOD HIGHWAY, CLOVERDALE, CA. 95425 707-894-2306
c/o 1460, 1482
GLEN ELLEN- 14000 SONOMA HIGHWAY, GLEN ELLEN, CA. 95442 707-996-6900
c/o 1461, 1481, 1441, DOZER # ??
HEALDSBURG- 17475 REDWOOD HIGHWAY, HEALDSBURG, CA. 95448 707-433-2020
c/o 1480, 1483, 1440, DOZER # ??
HILTON- 12604 RIVER RD., GUERNVILLE, CA. 95446 707-887-1770
c/o 1463, 1475
OCCIDENTAL- 3100 ACREAGE LANE, SEBASTOPOL. CA. 95472 707-874-3668
c/o 1462
PETALUMA- 655 LORHMAN LANE, PETALUMA, CA. 94952 707-762-6262
c/o 1476
SANTA ROSA HEADQUARTERS- 2560 WEST COLLEGE AVE. SANTA ROSA, 95401 707-546-1544
c/o 1477, 1490
SEA RANCH- PO BOX 65 SEA RANCH, CA. 95497 "A"= 707-785-2335, "B"=707-785-2648
c/o 1478
OTHER IDENTIFIERS USED IN SONOMA REGION:
1400=CHIEF, 1401= OPERATIONS, 1402= ADMINISTRATION, 1405= BATTALION CHIEF
1411 thru 1414= BATTALION CHIEFS, 1420 thru 1421= FIRE PREVENTION, 1430= REPAIR

REGION #1 TRANSMIT LOCATIONS (REPEATERS)	TONE #
HUMBOLDT/DELNORTE LOCAL	
RED MTN. LOOKOUT	4
SCHOOLHOUSE LOOKOUT	5
HORSE MTN.	3
MT. PIERCE	2
GRASSHOPPER LOOKOUT	3
PRATT MTN. LOOKOUT	1
MENDOCINO LOCAL	
CAHTO LOOKOUT	5
CAHTO PEAK	5
IRON PEAK LOOKOUT	2
LAUGHLIN PEAK	4
GOLD SPRINGS LOOKOUT	3
SONOMA LOCAL	
GEYSER PEAK	1
OAK RIDGE LOOKOUT	3
MT. JACKSON LOOKOUT	2
SEAVIEW RIDGE	4
SONOMA MTN.	5

LAKE/NAPA/SOLANO/YOLO LOCAL

WALKER RIDGE	5
BERRYESSA LOOKOUT	3
MT. VACA	4
SEIGLER MTN.	1
MT. ST. HELENA LOOKOUT	2

REGION #2- SIERRA CASCADE- HQ. 1000 CYPRESS ST. REDDING CA. 96001
C/O LOCAL RANGER UNITS--BUTTE
176 NELSON AVE.
OROVILLE, CA. 95965 916-533-6365 ID# 2100 SERIES
c/o STATION INFO:
BANGOR- PO BOX 18, BANGOR CA. 95914 916-679-2411
BIGGS- GENERAL DELIVERY, BIGGS CA. 95917 916-868-5834
CHICO- 2334 FAIR ST., CHICO CA. 95926 916 342 5125
COHASSET- COHASSET STAGE ROUTE, CHICO, CA. 95926 916-342-8865
DURHAM- PO BOX 218 DURHAM, CA. 95938 916-342-2323
FEATHER FALLS- PO BOX 143, FEATHER FALLS CA. 95940 916-676-4651
FOREST RANCH- CA. 95942 916-342-2233
GRIDLEY- 210 E WILSON AVE. GRIDLEY CA. 95948 916-846-5711
HARTS MILL- MERRIMAC STAR ROUTE, OROVILLE CA. 95965 916 589-2555
JARBO GAP- RT. 1 BOX 268A OROVILLE, CA. 95965 916 533-5486
KELLY RIDGE- 22 WALNUT AVE. OROVILLE, CA. 95965 916-589-0426
NORD- RT. 1 BOX 458A CHICO, CA. 95926 916-342-4131
NORTH CHICO- 2562 COHASSET RD. CHICO, CA. 95926 916-343-9021
OROVILLE HQ.- 176 NELSON AVE. OROVILLE CA. 95965 916-533-6365
PALERMO- PO BOX 273 PALERMO CA. 95968 916-533-3575
PARADISE- 1464 FOREST SERVICE RD. PARADISE CA. 95969 916-877-2332
RICHVALE- PO BOX 97 RICHVALE CA. 95974 916-882-4304
ROBINSON MILLS- WOODLEAF STAR ROUTE OROVILLE CA. 95965 916-589-3103
STIRLING CITY- GENERAL DELIVERY, STERLING CITY, CA. 95978 916-873-0597
TRANSFER POINT- PO BOX 8. BUTTE MEADOWS, CA. 95921--
UPPER RIDGE- PO DRAWER CC, MAGALIA CA. 95954 916-873-0500

LASSEN/MODOC
HIGHWAY 36
SUSANVILLE, CA. 96130 916-257-4171 ID# 2200 SERIES
c/o STATION INFO:
ALTURAS- 8th & F"D" ST. ALTURAS, CA. 96101 916-233-2723
BIEBER- PO BOX 36, BIEBER CA. 96009 916-294-2572
EAGLE LAKE- PO BOX 1077, WESTWOOD, CA. 96137
GRASSHOPPER- HIGHWAY 36, SUSANVILLE CA. 96130 916-825-3144
SUSANVILLE HQ.- HIGHWAY 36, SUSANVILLE, CA. 96130 916-257-4171
WESTWOOD- PO BOX 1077 WESTWOOD, CA. 96137 916-256-3203
WHITE HORSE- PO BOX 36, BIEBER, CA. 96009

NEVADA/YUBA/PLACER
13760 LINCOLN WAY
AUBURN, CA. 95603 916-885-4517 ID# 2300 SERIES
c/o STATION INFO:
ALTA- PO BOX 702, alta ca. 95707 916-389- 2234
c/o 2378, 2362
AUBURN HQ.- 13760 LINCOLN WAY, AUBURN, CA. 95603 916-885-4517
c/o 2311, 2389, 2388, 2343
COLFAX- PO BOX 563 COLFAX 95713 916- 346-2236
c/o 2313, 2377, 2387
COLUMBIA HILL- ALLEGHANY STAR ROUTE, NEVADA CITY, CA. 95959 916-265-2894
c/o 2384, 2361
DOBBINS- STAR ROUTE, DOBBINS CA. 95935 916-692-1616
c/o 2316, 2382, 2360, 2341
FOREST HILL- STAR ROUTE FOREST HILL, CAL. 95931 916-367-2468
c/o 2363, 2374
HIGGINS CORNER- RT 2 BOX 2568 AUBURN, CA. 95603 916-2737495
c/o 2312, 2379, 2376
LINCOLN- 454 E ST. LINCOLN, CA. 95648 916-645-2360
c/o 2390
LOMA RICA- 11485 LOMA RICA RD. MARYSVILLE, CA. 95901 916-743-4477
c/o 2381
NEVADA CITY- PO BOX 96, NEVADA CITY, CA. 95959
c/o 2315, 2375, 2380, 2340, 2323
PENRYN- PO BOX 322, PENRYN. CA. 95663 916-663-3389
c/o 2394

SMARTVILLE- PO BOX 209 SMARTVILLE, CA. 95977 916-639-2332
c/o 2314, 2386, 2383

SHASTA/TRINITY
1050 PARKVIEW AVE.
REDDING CA. 96001, 916-243-1436 ID# 2400 SERIES
C/O STATION INFO:
BUCKHORN- PO BOX 115 WHITMORE, CA. 96096 916-472-3228
BURNEY- RT. 2 BOX 7, BURNEY CA. 96013 916-335-2203
DIDDY WELLS- GENERAL DELIVERY, BELLA VISTA, CA. 96008 916-472- 3222
FAWN LODGE- STAR ROUTE, SHASTA CA. 96008 916-778-3720
FRENCH GULCH- GENERAL DELIVERY FRENCH GULCH, CA. 96033 916-359-2202
HILLCREST- GENERAL DELIVERY, MONTGOMERY CREEK, CA. 96065 916-337-6281
OGO- GENERAL DELIVERY, ONO, CA. 96072 916-964-2346
PONDOSA- PO BOX 13135, PONDOSA, CA. 96007 916-964-2346
REDDING HQ.- 1050 PARKVIEW AVE., REDDING CA. 96001 916-243-1436
SHINGLETOWN- RT.q BOX 145, SHINGLETOWN CA. 96008 916-474-3115
WEAVERVILLE- PO BOX DRAWER A-U, WEAVERVILLE, CA. 96093 916-623-4201
WHITMORE- STAR ROUTE WITMORE, CA. 96096 916- 472-3227

SISKIYOU
BOX 128
YREKA, CA. 96097 916-842-3516 ID# 2600 SERIES

C/O STATION INFO:
FORT JONES- CALIF. 96032 916-468-2696
HORNBROOK- CALIF. 96044 916-475-3582
MACDOEL- CALIF. 96058 916-398-4331
WEED- PO BOX 704, WEED CAL. 96094 916-938-2322
YREKA HQ.- PO BOX 128, YREKA, CA. 96097 916-842-3516

TEHAMA/GLENN
604 ANTELOPE BLVD. (PO BOX 1210)
RED BLUFF, CA. 96080 916-527-2213

C/O STATION INFO:
BAKER- RT. 3 BOX 362, COTTONWOOD, CA. 96022 916-527-2635
CORNING- 803 TEHAMA ST. CORNING CA. 96080 916-824-5546
ELK CREEK- GENERAL DELIVERY, ELK CREEK, CA. 95939 916-968-5325
LASSEN LODGE- GENERAL DELIVERY, PAYNES CREEK CA. 96075 916-597-2641
LOS MOLINOS- PO BOX 805 LOS MOLINOS CA. 96055 916-384-2345
MANTON- PO BOX 177, MANTON CA. 96059 916-474-3124
PASKENTA- GENERAL DELIVERY, PASKENTA, CA. 96074 916-833-5504
PROBERTA- PO BOX 97, PROBERTA, CA. 96074 916-527-5723
RED BANK- RT. 2 BOX 2208, RED BLUFF, CAL. 96080
RED BLUFF HQ.- 604 ANTELOPE BLVD. PO BOX 1210, RED BLUFF, CAL 96080
VINA- GENERAL DELIVERY, VINA CA. 96092 916-839-2121

REGION #2 TRANSMIT LOCATIONS (REPEATERS)	TONE #
SISKIYOU LOCAL	
HAMAKER	4
GUNSIGHT	3
SODA RIDGE	5
ANTELOPE	1
LASSEN/MODOC LOCAL	
LIKELY LOOKOUT	3
SHAFFER	1
RED HILL	4
WIDOW MTN.	5
DYER	2
ROOP MTN.	2
SHASTA /TRINITY LOCAL	
HOADLEY	3
BULLY CHOOP LOOKOUT	4
LATOUR LOOKOUT	3
HOGBACK LOOKOUT	5
SOUTH FORK LOOKOUT	2
TEHAMA/GLENN LOCAL	
TUSCAN BUTTE LOOKOUT	3
RED MTN.	3
PATTYMOCUS	4
BUTTE LOCAL	
BLOOMER LOOKOUT	3
PLATTE LOOKOUT	1
BALD MTN. LOOKOUT	3
SUSSET PEAK LOOKOUT	2
NEVADA/YUBA/PLACER LOCAL	
DONNER SUMMIT	5
BANNER MTN. LOOKOUT	4
OREGON PEAK LOOKOUT	2
HOWELL MTN. LOOKOUT	4
PILOT PEAK LOOKOUT	5

REGION #4- SOUTH SIERRA HQ.- 1234 EAST SHAW, FRESNO, CA. 93710
C/O LOCAL RANGER UNITS--TULARE
1968 SO. LOVERS LANE
VISILIA, CA. 93277 209-732-5924 ID# 4100 SERIES

c/o STATION INFO:
BADGER- MIRAMONTE, CA. 93641 20 337-2524
FOUNTAIN SPRINGS 5560 OLD STAGE RD., PORTERVILLE CA. 93257 209-534-2222
HAMMOND- 44726 MINERAL KING DR., THREE RIVERS, CA. 93271 209-561-4432
MILO-44726 MINERAL KING DR., THREE RIVERS, CA. 93271 209-539-2520
PORTERVILLE- 26488 AVE. 140, PORTERVILLE, CA. 93257 209-784-2452
TYLER CREEK- RT. 4, BOX 204 PORTERVILLE, CA. 93287 209-548-6513
VISILIA HQ.- 1968 SO. LOVERS LANE, VISILIA, CA. 93277 209-732-5924
STATION #1 (WILSONIA) KINGS CANYON NAT. PARK 93633 209-335-2313
STATION #2 (KINGS RIVER) 3811 AVE 400, KINGSBURG, CA. 93631 209-897-2422
STATION #3 (DINUBA) 40404 RD 80, DINUBA, CA. 93618 209-591-5100
STATION #4 (CUTLER-OROSI) 40779 RD 128, CUTLER, CA. 93615 209-528-3031
STATION #7 (GOSHEN) PO BOX 7, GOSHEN, CA. 93227 209-732-1119
STATION #8 (IVANHOE) 32868 HAWTHORNE RD., IVANHOE, CA. 93235 209-798-0812
STATION #9 (VISILIA) 1968 SO. LOVERS LANE, VISILIA, CA. 93277 209-732-5954
STATION #10 (FARMERSVILLE) 846 NO. MAGNOLIA, FARMERSVILLE, CA. 93223 209-747-0791
STATION #11 (EXETER) 137 NO. "F" ST. EXETER, CA. 93221 209-592-3714
STATION #12 (WOODLAKE) 208 E NARANJO BLVD., WOODLAKE, CA. 93286 209-564-2144
STATION #13 (LEMON GROVE) PO BOX 322 LEMON GROVE, CA. 93244 209-597-2348
STATION #14 (THREE RIVERS) 41412 SO. FORK DR., THREE RIVERS, CA. 93271 209-561-4362

STATION #15 (LINDSAY) 19603 AVE. 228, LINDSAY, CA. 93247 209-562-4025
STATION #16 (STRATHMORE) PO BOX 215, STRATHMORE, CA. 93274 209-568-2415
STATION #17 (WOODVILLE) 16756 AVE. 168, TULARE, CA. 93274 209-686-6446
STATION #18 (POPLAR) PO BOX 3828 POPLAR, CA. 93257 209-784-0250
STATION #19 (WEST OLIVE) 22315 AVE. 152, PORTERVILLE, CA. 93257 209-784-2751
STATION #20 (DOYLE COLONY) 1057 E. DATE ST. PORTERVILLE, CA. 93257 209-784-7628
STATION #21 (TERRA BELLA) PO BOX 785 TERRA BELLA, CA. 93270 209-535-4411
STATION #22 (SPRINGVILLE) PO BOX 798 SPRINGVILLE, CA. 93265 209-539-2626
STATION #23 (CAMP NELSON) GENERAL DELIVERY CAMP NELSON, CA. 93208 209-542-2511
STATION #25 (TULARE) 2082 FOSTER DR. TULARE CA. 93274 209- 686-0495
STATION #26 (TIPTON) PO BOX 248 TIPTON, CA. 93272 209-752-4210
STATION #27 (PIXLEY) PO BOX 578 PIXLEY, CA. 93256 209-757-3025
STATION #28 (EARLIMART) PO BOX 156 EARLIMART, CA. 93219 805-849-2890
STATION #29 (ALPAUGH) PO BOX 38 ALPAUGH CA. 93201 209-949-8343
STATION #30 (RICHGROVE) RT. 2 BOX 283"F" DELANO, CA. 93215 805-725-2224
STATION #31 (POSO) STAR ROUTE POSEY, SA. 93260 805-536-8557
STATION #32 (PINE MT.) RT 4 BOX 665, CALIF. HOT SPRINGS CA. 93207 805-548-6664

MADERA/MARIPOSA
5366 HIGHWAY 49 NORTH
MARIPOSA, CAL. 95338 209-966-3622 ID# 4200 SERIES

c/o STATION INFO:
AHWAHNEE- PO BOX 67 AHWAHNEE, CA. 93601 209-683-4844
CATHEYS VALLEY- PO BOX 23 CATHEYS VALLEY, CA. 95306 209-966-3413
COARSEGOLD- PO BOX 304 COARSGOLD, CA. 93614 209-683-4823
COULTERVILLE- 10508 HIGHWAY 49 COULTERVILLE, CA. 93614 209-878-3311
HORNITOS- PO BOX_____ HORNITOS, CA. 95325 209-376-2323
MARIPOSA HQ.- 5366 HIGHWAY 49 NORTH, MARIPOSA, CA. 95338 209-966-3622
RANCHERIA- O'NEALS POST OFFICE, O'NEALS, CA. 93645 209-877-2322
RAYMOND- 36896 RD 600, RAYMOND, CA. 93653 209-689-3332
USONS- 2629 HIGHWAY 49 SOUTH, MARIPOSA, CA. 95338 209-742-7233
WHITE ROCK- STAR ROUTE, LA GRAND, CA. 95333 NONE
STATION #1- (MADERA) 14225 RD 28 MADERA CA. 93637 209-674-4662
STATION #2- (CHOWCHILLA) 140 NO. 15th ST., CHOWCHILLA, CA. 93610 209-665-2552
STATION #3- (BERENDA) 19807 BERENDA BLVD. MADERA, CA. 93637
STATION #4 (DAIRYLAND) 13368 AVE. 19, CHOWCHILLA, CA. 93610 209-665-4140
STATION #5 (RIPPERDAN) 7134-A HIGHWAY 145, MADERA, CA. 93637 209-673-3731
STATION #6 (EASTSIDE) 6468 RD 7, FIREBAUGH, CA. 93622 209-659-2724

FRESNO/KINGS
210 SO. ACADEMY AVE.
SANGER, CA. 93657 209-485-7500 ID# 4300 SERIES

c/o STATION INFO:
BLASINGAME- 23087 E. TOLLHOUSE RD. STAR ROUTE BOX 92, CLOVIS CA 93612
COALINGA 640 W ELM AVE, STAR RT. 1 BOX 1 COALINGA, CA. 93210 209-935-0756
COTTONWOOD PASS-STAR RT. 2 BOX 42 AVENAL, CA. 93204 209-386-5839
HURLEY- 25627 NO. AUBERRY RD. STAR RT. BOX 37A CLOVIS, CA. 93612 209-855-2244
MILLERTON- 4091 E. MILLERTON RD. PO BOX 24, FRIANT, CA. 93626 209-822-2389
PANOCHE- PANOCHE RD. and I5 PO BOX 8, FIREBAUGH, CA. 93622 NONE
PIEDRA- 6185 ELWOOD RD. SANGER, CA. 93657 209-787-2444
SAND CREEK- 41998 SAN CREEK RD., SQUAW VALLEY, CA. 93646 209-338-2312
SANGER HQ.- 210 SO. ACADEMY AVE., SANGER, CA. 93657 209-875-2591
SQUAW VALLEY- 32515 E. KINGS CANYON RD. SQUAW VALLEY, CA. 93646 209-332-2325
STATION #1 (REEDLEY) 1752 10th ST. REEDLEY, CA. 93654 209-638-2200
STATION #2 (FOWLER) 7372 E. MANNING AVE. FOWLER, CA. 93625 209-834-3011
STATION #3 (SELMA) 11500 E. MT. VIEW AVE. SELMA, CA. 93662 209-896-3378
STATION #4 (SANGER) 210 SO ACADEMY AVE. SANGER CA 209-485-7500
STATION #5 (CLOVIS) 4955 E NEES AVE. CLOVIS, CA. 93612 209-299-7322
STATION #7 (SO. FRESNO) 4706 E. DRUMMOND AVE. FREWNO, CA. 93725 209-485-2800
STATION #8 (EAST FRESNO) 5379 E. TULARE AVE. FRESNO, CA. 93727 209-255-4995
STATION #9 (EASTON) 5810 SOUTH CHERRY FRESNO, CA. 93706 209-264-4256
STATION #10 (CARUTHERS) 13617 SO. RAIDER PO BOX 593 CARUTHERS CA. 93609
STATION #11 (RIVERDALE) 20868 MALSBURY PO BOX 567 RIVERSDALE, CA. 93656
STATION #13 (TRANQUILITY) 25101 MORTON ST. PO BOX 645 TRANQUILITY, CA. 93668
STATION #15 (FIREBAUGH)- 1551 11th ST. FIREBAUGH, CA. 93622 209-659-2118
STATION #16 (PANOCHE)- 47924 W. DAKOTA AVE. FIREBAUGH, CA. 93622 209-364-6386
STATION #20 (NO. FRESNO) 1046 E. HERNDON AVE. FRESNO, CA. 93710 209-439-0181
STATION #24 (PLEASANT VALLEY) 25600 W. JAYNE AVE. RT 1 BOX 360 COALINGA, CA. 93210
STATION #25 (HURON)- 36401 SO. LASSEN PO BOX 464 HURON, CA. 93234 209-945-2311
STATION #26 (OILFIELD) 33400 SO. FRESNO-COALINGA RD. RT 1 BOX 163 coalinga ca. 93210
BEAR MTN- STAR RT., ORANGE COVE, CA. 93646 209-332-2315

BLACK MTN.- STAR RT. box 92 CLOVIS, CA. 93612 209-299-9113
COPPER PEAK- STAR RT. BOX 92 CLOVIS, CA. 93612 209-299-8626

TUOLUMNE/CALAVERAS
785 EL DORADO ST.
SAN ANDREAS, CA. 95249 ID# 4400 SERIES

c/o STATION INFO:
ALTAVILLE- PO BOX 182 ALTAVILLE, CA. 95221 209-736-2037
c/o 4472, 4482, 4483, 4432, 4442, 4447
ARNOLD- PO BOX 166 ARNOLD, CA. 95223 209-795-1542
c/o 4464, 4474, 4434
BAILEY RIDGE- (WEST POINT FFS) PO BOX 343 WEST POINT, CA. 95255 209-293-7883
c/o 4463
BLANCHARD- PO BOX 2 (HWY 132 at J59) GROVELAND, CA. 95321 209-852-2410
c/o 4488
COPPEROPOLIS- PO BOX 182 ALTAVILLE, CA. 95221 209-785-2234
c/o 4462
COLUMBIA- PO BOX 390 COLUMBIA CA. 95310 209-532-2911
c/o HELITENDER 4499, TANKER 76, TANKER 77, copter 404, AIR ATTACK 440
ESPERANZA- PO BOX 343 WEST POINT, CA. 95255 209-754-4402
c/o 4493
GROVELAND- PO BOX 2, GROVELAND, CA. 95321 209-962-7821
c/o 4466, 4476
KEYSTONE-(NOW KNOWN AS GREEN SPRINGS) J59 at WY 108, PO BOX 2 GROVELAND CA. 95321
c/o 4486
MURPHYS- PO BOX 182 ALTAVILLE, CA. 95321 209-728-3241
c/o 4460
SAN ANDREAS HQ.- STAR RT. 1,785 EL DORADO ST. SAN ANDREAS, CA. 95249
c/o 4461, 4471, 4410, 4431, 4456, 4441, 4446, 4451, SQUAD 171 (also DISPATCH POINT)
skull creek- (ARNOLD FFS) PO BOX 166, ARNOLD, CA. none
c/o 4467

SONORA- 2 SOUTH FOREST RD. SONORA, CA. 95370 209-532-7424
c/o 4475, 4485, 4425, 4435, 4458, 4445, 4448, 4455
TWAINE HARTE- PO BOX 308 TWAIN HARTE, CA. 95383 209-586-3362
c/o 4465, 4477
VALLEY SPRINGS- STAR ROUTE 1 785 EL DORADO ST. SAN ANDREAS, CA. 95249
c/o 4481
WEST POINT- PO BOX 343 WEST POINT, CA. 95255 209-293-4222
c/o 4468, 4473, 4433

OTHER IDENTIFIERS USED BY TUOLUMNE/CALAVERAS REGION:
4400 thru 4403= CHIEFS, 4404= BATT. CHIEF, 4425= PREVENTION, 4407= TRAINING, 4409= BATT. CHIEF, 4409a thru 4409d= DISPATCH, 4410= SUPPLY, 4411 thru 4418= BATT. CHIEFS 4430= REPAIR,

OTHER INFO OF INTEREST:
SEASONAL STATION INCLUDE THE FOLLOWING: SONORA, GROVELAND, BLANCHARD
NEW RADIOS IN THE TUOLUMNE/CALAVERAS LOCAL AREA WILL INCLUDE THESE TWO FREQUENCIES:
CHANNEL 7= 155.295 MED. NET, CHANNEL 8= 154.280 STATE FIRE WHITE #1

VOLUNTEER FIRE DEPARTMENTS IN THE TUOLUMNE/CALAVERAS AREA, ARE AS FOLLOWS:
(note---all are dispatched thru CDF at San Andreas on 151.175)

STATION	ID # USED
CRYSTAL FALLS VFC	5-7-0 thru 5-7-9
CEDAR RIDGE VFC	5-8-0 thru 5-8-9
JACKSONVILLE VFC	5-2-0 thru 5-2-9
LONG BARN VFC	5-4-0 thru 5-4-9
MONO VISTA VFC	5-6-0 thru 6-6-9
MONO VILLAGE VFC	5-1-0 thru 5-1-9
ODD FELLOWS VFC	5-9-0 thru 5-9-9
PINECREST VFC	5-5-0 thru 5-5-9
(SERIES 5-3-0 thru 5-3-9 ARE NOT ASSIGNED)	
CHINESE CAMP VFC	6-1-0 thru 6-1-9
DON PEDRO VFC	6-4-0 thru 6-4-9
MOCCASIN VFC	6-2-0 thru 6-2-9
SMITH STATION VFC	6-3-0 thru 6-3-9
COLUMBIA FPD	7-1-0 thru 7-1-9
COLUMBIA COLLEGE FD	7-9-0 thru 7-9-9
GROVELAND C.S.D.	7-8-0 thru 7-8-9
JAMESTOWN FPD	7-6-0 thru 7-6-9
MI-WUK/SUGAR PINE FPD	7-7-0 thru 7-7-9
SONORA CITY	7-5-0 thru 7-5-9
STRAWBERRY FPD	7-1-0 thru 7-1-9

TWAIN HARTE FPD 7-2-0 thru 7-2-9
TUOLUMNE FPD 7-3-0 thru 7-3-9

EXPLANATION OF IDENTIFIERS IS AS FOLLOWS: 6-3-1 = SMITH STATION
6 = DISTRICT 6 IN REGION 4 (V.F.D.)
3 = STATION 3 IN DISTRICT 6
1 = UNIT #1 AT STATION 3

XXXX

BRADLEY- PO BOX 8, BRADLEY, CA. 93426 805-472-2244
c/o
CARMEL HILL- 23685 W.R.HOLMAN HIGHWAY, CARMEL, CA. 93921 408-649-2920
GONZALES- RT 1 BOX 107A, SOLEDAD, CA. 93960 408-678-3341
HOLLISTER- PO BOX 741 HOLLISTER, CA. 95023 408-637-4475
c/o 511 5186, 5187, 5141, 5143, 5184, ENG. 51, 5147
KING CITY HQ.- 401 CANAL ST., KING CITY, CA. 93930 408-385-5412
LOCKWOOD- PO BOX 182 LOCKWOOD, CA. 93932 408-385-4443
PARKFIELD- PARKFIELD RT. SAN MIGUEL, CA. 93451 805-463-2330
PEBBLE BEACH- FIREST LAKE & LOPEZ RD. PEBBLE BEACH, CA. 93953 408-375-4204
RIO ROAD- 3775 RIO RD. CARMEL, CA. 93921 408-624-4511
TULARCITOS- RT 2 BOX 38 CARMEL VALLEY, CA. 93924 408-659-2626

SAN MATEO/SANTA CRUZ
6059 HIGHWAY 9
FELTON, CA. 95018 408-335-5355 ID# 5200 SERIES

c/o STATION INFO:
BELMONT- 20 TOWER RD. BELMONT CA. 94002 415-345-1612
c/o 5240, 5241, 5252, 5275, OES ENG. 130
BIG CREEK- HIGHWAY 1 PO BOX 17, DAVENPORT, CA. 95017 408-426-1664
c/o 5283
BONNY DOON_
c/o 5262
BURRELL- 25050 HIGHLAND WAY, LOS GATOS, CA. 95030 408-353-1022
c/o 5242, 5284
CORRALITIOS- 45 BROWNS VALLEY RD. WATSONVILLE, CA. 95076 408-724-2446
c/o 5264, 5281
EMERALD LAKE- 850 CALIF. WAY, REDWOOD CITY, CA. 94062 415-366-7416
c/o
FELTON HQ.- PO BOX DRAWER F-2 FELTON, CA. 95018 408-335-3020
c/o 5279, 5243,
ADDITIONAL INFO= EMS SHOP= 335-3848, SVC. CTR.=335-3730, FPO= 335-4370
PAJARO DUNES- 2661 BEACH RD., WATSONVILLE, CA. 95076 408-722-7179
PESCADERO- PO BOX 279, PESCADERO, CA. 94060 415-879-0121
c/o 5278
SANDY POINT- c/o BIG BASIN, REDWOOD STATE PARK, BOULDER CREEK, CA. 95006
c/o 5263
SARATOGA SUMMIT- 12900 SKYLINE BLVD., LOS GATOS, CA. 95030 408-867-3625
c/o 5260
SKY LONDA- 17290 SKYLINE BLVD.WOODSIDE, CA. 94062 415-851-1860
c/o 5277
SOQUEL--4750 OLD SAN JOSE RD. SANTA CRUZ, CA. 95073
c/o 5280

SAN LUIS OBISPO
PO BOX 151, NORTH HWY 1, MORRO BAY, SAN LUIS OBISPO 93401

c/o STATION INFO:
CAMBRIA- 6126 COVENTRY LANE, CAMBRIA CA. 93428 805-927-4626
CAYUCOA- HWY 1 CAYUCOS, CA. 93430 805-995-1133
LA PANZA- STAR RT. BOX 75-A SANTA MARGARITA, CA. 93453 805-438-5460
LAS TABLAS- ADELAIDE STAR RT. PASO ROBLES, CA. 93446 805-238-4592
NIPOMO- 450 JUNIPER ST. NIPOMO, CA. 93444 805-929-3911
PASO ROBLES- SO. HWY 101 PASO ROBLES, CA. 93446 805- 238-2211
SAN LUIS OBISPO HQ.- PO BOX 151 SAN LUIS OBISPO, CA. 93406

SAN LUIS OBISPO AIRPORT- RT 3 BOX 185-F SAN LUIS OBISPO, CA. 93401
SANTA MARGARITA- PO BOX 68 SANTA MARGARITA, CA. 93453 805-438-5426
SHANDON- PO BOX 243 SNAMDON, CA. 93461 805-238-4957
SIMMLER- PO BOX 171 CALIF. VALLEY, CA. 93453 805-475-2211

SANTA CLARA
15670 MONTEREY ST.
MORGAN HILL, CA. 95037 408-779-2121

c/o STATION INFO:
ALMA- 19650 SANTA CRUZ HWY. LOS GATOS, CA. 95030 408-354-5050
c/o 5479, 5436
ALMADEN-
c/o 5466, 5477, 5475
CASTLE ROCK- 11345 SUNOL RD. PLEASANTON, CA. 94566 415-447-0395
c/o
COYOTE- CANADA & HOT SPRINGS RD, GILROY, CA. 95020 408-842-4012
c/o 5461, 5464, 5428
DEL PUERTA- PO BOX 1106 PATTERSON, CA. 95363 209-892-5781
c/o 5468, 5478
GUSTINE- 3043 GRAVEL PIT RD. CUSTINE, CA. 95322 209-854-3334
c/o
LOS BANOS- 24320 WEST HIGHWAY 152, LOS BANOS, CA. 93635 209-826-4233

c/o
MORGAN HILL HQ.- 15670 MONTEREY ST. MORGAN HILL, CA. 95037 408-779-2121
c/o 5465
MARSH CREEK-
c/o 5469, 5470
PACHECO- 12280 PACHECO PASS RD. HOLLISTER, CA. 95023 408-842-4221
c/o 5485
SAN ANTONE- STAR RT. BOX 41, LIVERMORE, 94550 NONE
c/o 5460
SAN MARTIN- 13170 COLONY AVE. SAN MARTIN, CA. 95046 408-683-2050
c/o
SMITH CREEK- MT. HAMILTON RD. SAN JOSE, CA. 95116 408-274-0766
c/o 5467, 5463. 5412
SARATOGA-
c/o 5473
STEVENS CREEK- 13326 STEVENS CREEK BLVD. CUPERTINO. CA 95014 408-867-3682
c/o 5471 5483
SUNOL- 11345 SUNOL RD. PLEASANTON ,CA. 94556 415-862-2197
c/o 5414. 5480, 5484, 5494, 5442, 5448,
SUNSHINE- 11851 MARSH CREEK RD. CLAYTON, CA. 415-687-6142
c/o 5476

OTHER IDENTIFIERS USED BY SANTA CLARA REGION:
5422= INVESTIGATOR,

REGION #5 TRANSMIT LOCATIONS (REPEATERS)
SAN MATEO /SANTA CRUZ LOCAL
chalks
ALLEN PEAK LOOKOUT
SID ORMSBY LOOKOUT
SANTA CLARA LOCAL
LOMA PRIETA LOOKOUT
MT. DIABLO LOOKOUT
SARATOGA SUMMIT FFS
COPERNICUS LOOKOUT
MT. OSO LOOKOUT
PACHECO PEAK LOOKOUT
BASALT PEAK LOOKOUT

TONE #

3 SAN BENITO/MONTEREY LOCAL
2 CALANDRA LOOKOUT
4 HERNANDEZ
CALL MTN. LOOKOUT
SMITH MTN. LOOKOUT
4 PALO ESCRITO
1 BONIFACIO HILL
4 SAN LUIS OBISPO LOCAL
5 MT. LOWE
3 ROCKY BUTTE LOOKOUT
3 BRANCH MTN. LOOKOUT
2 RED HILLS
DAVIS PEAK

3
1
1
2
4
2
1
4
5
2
1

contact/info wanted

This column has two purposes: to help members contact each other, and to help members obtain information directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interests, this is the perfect place for you to make known your interests. Remember – those who respond will do so directly, so be sure to provide your phone number, the best time to be called, or your address. Write to: Scott Mattson, 2820 Bridge Ave., Point Pleasant, NJ 08742

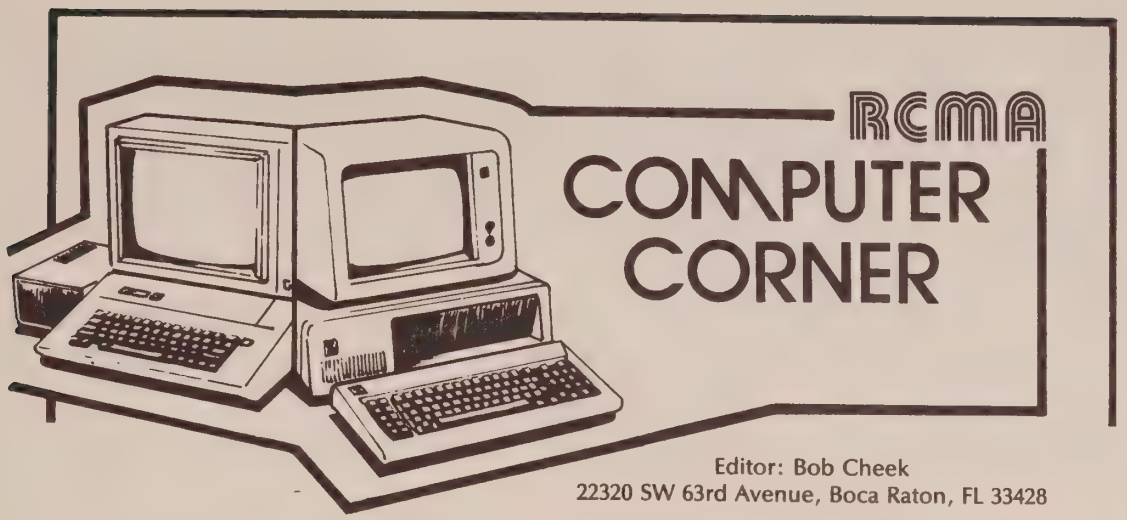
FREQUENCIES WANTED: This member seeks frequencies used in the Australia and New Zealand areas. (3/14/85)
TOM RAPPORT (CA-SZ-003) 3550 Cotter Rim Lane, Diamond Bar, CA 91765

ATARI INFO WANTED: This member would appreciate any info and/or programs for the Atari 800 XL Computer. This would include Frequency listing, Morse & RTTY decoding, and any other computer/Radio interfacing or applications either base or mobile. (3/18/85)
BILL BURROWS (CANA-060) 2579 Lloyd George, Windsor, Ontario, Canada N8T 2T3. Call home 8am-4pm EST (519) 257-4362 or home before 11pm EST (519) 945-0970

BEARCAT ALERT INFO: This member seeks an owner's manual for the Bearcat Alert weather radio or a copy of the schematic diagram. This will be the revised model of the older type radio with the frequency switch on the bottom of the unit. Will pay postage and copying costs. (3/20/85)
MICHAEL BENNETT (TX-081) 1420 North Center, Bonham, TX 75418

INFO WANTED: Member in southern California seeks to correspond with any member who enjoys search-scanning the Government bands. Specifically interested in discussing 165 Mhz activity to identify elusive and rarely heard traffic. Member also looking for a book listing Federal frequencies. (3/23/85)
SCOTT CULLEN (CA-SC-070) 581 Manor Dr., Apt. 182, El Cajon, CA 92020

Editor's Note - Members are reminded to send specific frequency enquiries to the appropriate column and editor. Thanks!



Editor: Bob Cheek
22320 SW 63rd Avenue, Boca Raton, FL 33428

Hello again, and welcome to the Computer Corner. This month we will cover two subjects. The first is to give you a short summary of the commands for the BBS, and second is a discussion of sort routines that can be used for our Basic language frequency list program.

Most of you know that Jerry Weiss has allowed the RCMA to use his Computer Bulletin Board System for communication between the members, and I have been publishing the number in this column for several months now. In the time between the writing of the first column and it arriving at your door, Jerry has upgraded his computer system from a Color Computer to a Model 4 with four disk drives, and changed over to the Connection 80 BBS software. Those of you who have checked in to the BBS will have already noticed that it is no longer Colorama of Boca!

When you dial up the BBS, you will be greeted by a short message announcing the Connection 80 of Boca Raton, Florida, and you will be asked for your name and location. Use your REAL name, not a handle, or your password will not be validated! The first time that you access the system, you will be logged as a new user.

You will then see a short bulletin, and a message showing the number of messages contained in the system will be printed, The main menu prompt will appear:

Command (? for Help):

The commands for this BBS are quite logical, but if you need help, a question mark at any of the command prompts will print a short summary of the commands that are valid for that function. For instance at the main menu typing a question mark will print this command list:

```
** CONNECTION 80 MAIN MENU **

?:  Prints this list
A:  Add Name to User List
B:  Print Bulletins
C:  Chat with Sysop
E:  Exit BBS System
L:  Leave a message
N:  Print section names
R:  Retrieve message
S:  Scan messages
T:  Time on system
U:  Print user log
V:  Set section mask
X:  Change/Examine user record
Z:  Upload/Download
```

Jerry's new BBS system offers several improvements over the Colorama system. In the Colorama system, messages were limited to 10 lines of 64 characters, in the new system messages may be up to 200 lines of 255 characters. The Connection 80 system also allows several various levels of access. After you have signed in and established a password for yourself, your access will be upgraded to allow uploading and downloading of programs, and access to various RCMA exclusive messages and programs.

The first time in the system you should enter the 'X' command and setup the parameters of the system for your particular terminal or computer. For instance, items that can be selected are the Clear Screen code, the character width of your display, etc. Also you may enter your own password however until it has been validated by Jerry the Sysop, you will not be allowed access privilege higher than 0 (Non-Member).

The 'V' command allows you to set the section mask such that in scanning messages you may for instance look only at the messages in section 2 or section 0 depending on the setting of the mask. Scanning the messages puts up only the "To-From-Subject" header of each message on the screen. This allows you to preview the subjects of the messages with out sitting an reading the entire message database.

Command 'N' will print out the section names. At the time of the writing of this column, the sections were:

0: Non-members
1: General
2: COCO Section
3: TRS-80 Mod 1
4: TRS-80 Mod 3 & 4
5: Apple Section
6: IBM PC Section
7: Ham Board

You should check the section names from time to time, as they will change as demand requires. As use by RCMA members picks up Jerry has promised that we will have our own section.

On entering a command at the Main Menu, most of the commands will have several sub-commands, and again entering a '?' will bring up a short summary of the command options. Just follow the prompts. The system is very "bullet proof".

The Connection 80 Bulletin Board is operation 24 hours a day, seven days a week, and is only down for short periods during the evening while the Sysop is doing file maintenance. The phone number is the same, (305) 997-6830. To keep your phone bills down, access the BBS and read the messages with your printer on or collect the data and save it to disk to read later. You can then sign off the BBS, and pre-type the messages and load them from a disk file.

For those of you who have a modem, check in with the Connection 80 BBS and let's hear from you! If you don't have a modem yet, plan to make it one of your next additions, as you will find a world of information on the various bulletin boards. In fact, there is a file in the download section of Connection 80 with the phone numbers of over 1000 BB systems throughout the country.

Next subject - a sort routine for the data base project. First off, I want to say that I have not heard from anyone working on implementing Basic language database program for storing frequencies! Am I talking to myself again? You don't even have to write a letter, drop me a message via the Connection 80 BBS.

I have two sort examples to show you, the Bubble sort, and the Shell-Metzner sort. Both are easily implemented in any high level language, like Basic, and are simple to use.

The Bubble sort lacks elegance and speed, but it is about as simple a sort routine as you can get. It is easy write, and easy to understand. Here is a short example routine.

```
10 'EXAMPLE OF A BUBBLE SORT ROUTINE
20 DIM A$(20)
30 '
40 '
50 '
60 PRINT "UNSORTED DATA -"
70 FOR X=1 TO 20
80 READ A$(X):PRINT A$(X),;
90 NEXT X
100 PRINT
110 LR=20:'LAST ELEMENT IN ARRAY
120 J=0
130 FOR X=1 TO LR-1
140 IF A$(X))A$(X+1) THEN GOSUB 180
150 NEXT X
160 IF J=0 THEN 200
170 GOTO 120
180 SWAP A$(X),A$(X+1):J=1:'J IS THE INDICATOR
190 RETURN
200 PRINT "SORTED DATA -"
210 FOR X=1 TO 20:PRINT A$(X),;:NEXT X
220 END
230 DATA FRED,UNIS,JENNY,CASEY,CT,JEAN,BOBBY,LEIGH,DUKE,GEORGE,
        CC,HENRY,MIKE,HARMON,NARD,MORK,ZORK,EXAVIER,NOW,
        THEN,NEVER
```

As you can see most of this routine is involved in getting the data into the array A$ to be sorted. The actual sort is contained in lines 95 through 210.

In lines 50 through 80 we read a list of names from the data statement into the string array A$. These names are dummy data elements to sort with the Bubble sort routine. The variable J is used as a indicator to tell if there has been a swap performed during the FOR-NEXT loop, and it is set to 0 each time the loop is completed. If a swap is performed, J is set equal to 1.

The function of the FOR-NEXT loop is simple. Starting with the first element in the array, it compares two sequential elements to see which is larger. If they are in the correct order then it steps to next pair, if they are not in order, then it puts those two in proper order by swapping them. Then it steps to the next two and does it all over again. It keeps looping and comparing until it goes through the FOR-NEXT loop without having to do a swap, therefore the data is in the proper order (J is not set = 1).

The only problem that you may have is if your machines' Basic does not have the SWAP function. In that case you will have to write a short routine to perform the swap of the variables. Also, in the application of sorting frequencies, there will be several other pieces of data in the array that will have to go along with the sorted data. This will require that all elements of the array be kept together by swapping them too!

Here is a simple routine that may be used to swap the two variables for the example above:

```
180 B$=A$(X):A$(X)=A$(X+1):A$(X+1)=B$:J=1
```

That was easy! One line! First we set A$(X) equal to an intermediate variable, B$. Then move the value of A$(X+1) into A$(X). Then set A$(X+1) equal to the intermediate variable B$, and set J=1 so that we know that a swap has been performed.

The Bubble sort my favorite sort, because it is so simple. It can be quite slow however. A better routine is the Shell-Metzner

sort. Here is the same example as above with the Shell-Metzner sort routine added.

```
10 'EXAMPLE OF A SHELL-METZNER SORT
20 DIM A$(20)
30 '
40 '
50 '
60 PRINT "UNSORTED DATA -"
70 FOR X=1 TO 20
80 READ A$(X):PRINT A$(X),;
90 NEXT X
100 PRINT
110 LR=20:'LAST ELEMENT IN ARRAY
120 M=LR:'LAST ELEMENT IN ARRAY
130 M=INT(M/2)
140 IF M=0 THEN 250:'EXIT
150 K=LR-M
160 J=1
170 I=J
180 L=I+M
190 IF A$(I)(= A$(L) THEN GOTO 220
200 SWAP A$(I),A$(L):I=I-M
210 IF I)=1 THEN 180
220 J=J+1
230 IF J)K THEN 130
240 GOTO 170
250 PRINT "SORTED DATA -"
260 FOR X=1 TO 20:PRINT A$(X),;:NEXT X
270 END
280 DATA FRED,UNIS,JENNY,CASEY,CT,JEAN,BOBBY,LEIGH,DUKE,GEORGE,
        CC,HENRY,MIKE,HARMON,NARD,MORK,ZORK,EXAVIER,NOW,THEN,
        NEVER
```

The Shell-Metzner sort works considerably differently from the Bubble sort. In line 13Q M is set to equal approximately the mid point of the array. The pointer I is set to the first element in the array, and L is set to the midpoint + 1. The elements are then compared, and swapped if necessary. Notice that the pointer I is tested and loop is executed again. As the loop is executed the sort breaks up the array into smaller pieces until it is comparing adjacent elements. If you add the following line to the sort example you will see how it arranges the elements for sorting:

```
195      Print I,L
```

This will print the pointer values during the sort, and you will see how it works it's way down to the proper order. The Shell-Metzner sort will sort an array with fewer passes than the Bubble sort, therefor it is a faster sort. With a large number of data elements to sort the difference can be significant!

Well that about does it for this month! I want to hear from all the computer folks out there on your progress with the frequency database program! I would hate to think that I am writing this column for some parakeet to use as target practice on the bottom of his cage!

This is the first column that I have written with my new computer, a Leading Edge PC compatible. This is a super system. It comes with dual half high 360 Kbyte floppies, and I loaded it up with 640 Kbytes of memory, an external 10 Megabyte hard drive, and a color display. This is the first time that I have written a column without having to swap diskettes half a dozen times! I highly recommend the Leading Edge to all who are considering a PC compatible system.

Until next month!

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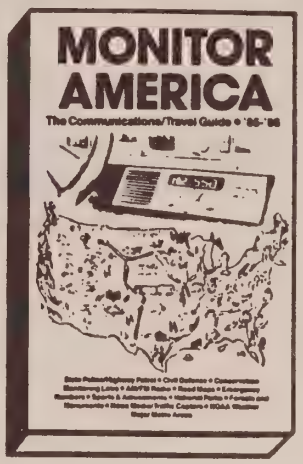

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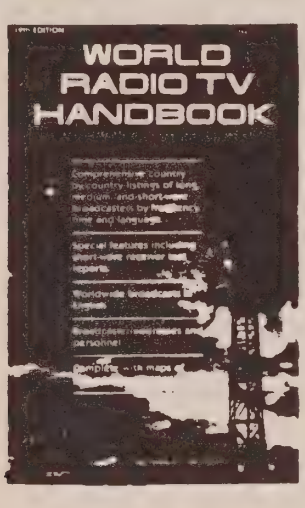

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FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

The FCC has released a proposal to create a brand new land mobile band at 900 mHz. These new frequencies would be available in all the Industrial, Land Transportation and Public Safety services. The bands proposed are 935 through 941 mHz for base stations and repeaters and 896 through 902 mHz for mobiles. The proposed spacing between channels is 12.5 kHz. No specific type of modulation will be mandated, giving the user the option to select whatever suits his needs or the current or future availability of equipment. (No very narrow-bandwidth equipment is presently being made for use at 800 mHz.) Extremely narrow bandwidth equipment will be more costly and could result in design and manufacturing delays. If the Commission were to mandate channel spacing closer than that proposed, there would possibly be a few years delay until equipment was available. Also, a narrow bandwidth would limit the use of digital data communications, the use of which is becoming increasingly popular. Voice quality would also be slightly poorer. Therefore, the option is being left open as whether to permit channels spaced as close as 5 kHz, or as much as 15 kHz, to suit the licensees option. Obviously, expansion of existing 25 kHz-spaced systems in the 806/851 mHz band would not be permitted into the new bands, but narrowband equipment could be used in both the 900 and the 800 mHz bands, since narrowband use is presently permitted at 851 mHz (as well as conventional 25 kHz spaced FM). This may not be practical, what with the great difference in frequency between the two bands, but in any case this will probably result in narrowband equipment being marketed for the 806/851 mHz band as well, in the near future. The option is being considered of allowing wider-bandwidth emissions in the Public Safety services, since intelligibility and the reliability of service are considered essential.

The new 900 mHz channels will be divided among four "pools" of eligibles. 30% of the channels will be available for Public Safety users (Police, Fire, etc.), 20% for the Industrial and Land Transportation services (except Business), 20% for the Business Radio Service and 30% for Specialized Mobile Radio Systems (SMRS). The Public Safety services would receive a larger share since the Commission is required by the Communications Act amendment two years ago to give priority consideration to their needs. Also, SMR's would receive a 30% share since they offer communications service (for a profit) to small businesses that probably couldn't afford their own 800 mHz systems otherwise. Interservice sharing would be permitted among the pools, when or if all all the channels from one pool were assigned. The same licensing criteria would apply to the 900 mHz band as at 851 mHz, including the use of lotteries for the SMRS channels if more applications are received than there are frequencies available. Priority will be given to trunked systems (as opposed to conventional) but also, with the 900 mHz channels, preference might be given to applicants who propose systems that are more spectrally efficient than required by the rules. (Two or three ACSB channels within one 12.5 or 15 kHz channel, for example.) The new 900 mHz bands would not be available along the Canadian or Mexican borders until agreement can be reached with their governments.

The second new proposal for the 800 mHz reserve spectrum is for a Mobile Satellite Service (MSS) in what was previously the land mobile reserve, 866 - 870 mhz, paired with 821 - 825 mHz (adjacent to the present land mobile bands, 806 - 821/851 - 866 mHz). This is an idea that has been tossed around for years. NASA has been pushing it, and at least two private companies appear interested in providing the service. A Mobile

Satellite Service has the potential of providing radio service to areas where no land mobile service would otherwise exist, areas too remote, rugged or sparsely populated to justify construction of terrestial systems. Rural telephone service could be provided to remote areas, as well as two-way service for logging, mining and fishing industries and for oil and gas exploration. A Mobile Satellite Service could also prove invaluable to public safety agencies during disasters, search and rescue operations, etc. The trouble is that 8 mHz of spectrum at 800 mHz is not enough for a fully developed service, a fact the Commission admits. Additional spectrum would be required in other bands (most likely at 1545 - 1559 mHz), which leads to the question of why put it at 800 mHz at all? Two reasons are evident, one being the current availability of equipment for the 800 mHz band. (Signal propagation is also better at 800 mHz.) The other is the fact that Canada appears intent on implementing MSS in the same bands (plus their cellular reserve bands), so use in this country in other services could be precluded. Canada, with vast expanses of sparsely populated terrain, can justify a Mobile Satellite Service. Whether we need it in this country is a different matter.

The band from 1545 - 1559 (paired with 1645.5 - 1660.5 mHz for earth-to-space) is allocated for Aeronautical Mobile, Satellite use, but is presently unused. It is adjacent to bands allocated (and used) for Maritime Mobile, Satellite services. Future INMARSAT satellites will provide limited civil aviation service, in addition to maritime service. But some discussion has taken place regarding the implementation of aeronautical satellite service, for both communications and navigation, in the Aeronautical - Satellite band. As presently envisioned, though, the entire band might not be required. So the FCC will not consider any allocation in this band until the ongoing studies on the requirements of future aviation satellite service are completed and the available spectrum is identified. The first generation MSS will require coordination with Canada and possibly be a joint venture. Compatibility with the Cellular service will be considered, although more spectrum efficient techniques will probably be required. Later generation MSS satellites will probably use spot beam antennas, covering smaller geographic areas and permitting greater frequency reuse.

The third proposal would allocate the 845 - 851 and 890 - 896 mHz bands for the Cellular Radio Telecommunications Service. This would add 200 channel pairs to the existing 666 in the 825 - 845/870 - 890 mHz bands. The petitioner in this proceeding, Ameritech Mobile Communications, Inc., claims that the rapid growth of its Chicago system necessitates the allocation of the additional channels. Immediately after beginning service, Ameritech had to begin splitting cells to accomodate subscribers. They project that the two Chicago cellular systems will serve 60,000 subscribers within five years.

312 channels are available each for the wireline and non-wireline carriers in each city. All of these channels obviously can't be used in one cell since frequencies are needed in adjacent cells. Channels from one cell can be reused in cells some distance away, though. This then limits the number of channels per cell and consequently the number of mobile users that can be accomdated at one time. When there is insufficient capacity, "cell-splitting" is done. This involves either the use of directional antennas or smaller, lower power cells, as little as a mile or two in diameter. Aquisition of additional sites, plus equipment, can cost up to half a million dollars though. It is much cheaper to add additional frequencies to existing sites than to construct new ones, this being the reason for this proposal. Supposedly these lower costs can be passed on to subscribers. This proposal will add the 100 frequency pairs from 890.01 through 892.98 to those available to non-wireline carriers in the 870 - 880 mHz band. Likewise, the 100 channels from 893.01 throgh 895.98 would be added to the wireline carrier block from 880 - 890 mHz. (The mobile units are 45 mHz lower.) These new channels would only be assigned to operational systems that exceed a certain level of usage, ones

in which some cell-splitting has already been undertaken. The Commission is also seeking comment on the feasibility of implementing narrowband techniques in the new spectrum. They are proposing that five mHz of paired spectrum be available for conventional FM systems and one mHz of paired spectrum for narrowband systems. Narrowband emissions could be used in the present spectrum as well, but compatible service would have to be provided to existing users. This appears to be a token gesture, since it's unlikely new emission types are going to be introduced in a service that is just starting to take off. New technology, and new equipment, would only confuse things. Some of the commenters on this petition call it a bail-out for the cellular phone companies, giving them more frequencies instead of requiring them to add additional, smaller cell sites. It will also help to use up the last of the reserve spectrum, the same spectrum that could have been used for some of the proposed services recently dismissed (last month's column).

FEDERAL GOV'T and ★ MILITARY ★

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:
Dennis Biagioli, 607 W. Pleasant Ave., Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Hi! Well, here we are -- Summer at last! Now that it's here, let's all take full advantage of it.

I wish I had a quite complete list of National Park and National Forest frequencies to report, but my request of over a year and a half ago is still waiting for answers from you.

MARK LANDGRAF, a friend of R.C.M.A., has these additional Federal railroad frequencies to add to a previous discussion:

Watervliet, NY, Arsenal	173.4625	RR & Transportation
Wortsmith A.F.B., MI	163.5000	
McAlester Army Ammo Plant, OK	143.5200	Railroad

MARK W. JOHNSON (ID-012) has pinned down three Air Force frequencies in his area:

138.1000	Mountain Home A.F.B.	Command Post
148.4250	Mountain Home	Training Tac. F-1 (Base: SAGEBRUSH)
149.1750	Saylor Creek Bomb Range	Range Control
173.5375	Mountain Home A.F.B.	Simulcast of 138.1000

JOHN EVEREST (UT-016) sends radio callsign information to follow-up last month's material regarding 148.8150 mHz at the Dugway (Utah) Proving Ground:

1. Net Control Station AAG-470	
Primary:	
Commanding Officer	King Viking
Secondary:	
Range Control	Range Control
Alternates:	
Dissemination Test Officer	King Export
Engineer Test Officer	King Export
2. C.O.'s Staff	King Viking
3. Quality Assurance	Surety 1-5

4. Safety Office	Advisor 1-7
5. Material Test	Vendor 1-14
6. Test Design & Analysis Div.	Professor 1-2
A. Test Operations	Export 1-31
	Fireball 1-8
	Demil 1-8
B. Meteorology Branch	William 1-6
7. Technical Support Div.	
A. Admin.	Tiger 1-4
B. Geodesy	Survey 1-5
C. Grid Service	Termite 1-11
	Grader 1-10
D. Grid Operations Branch	George 1-30
	Zebra 1-9
E. Instrumentation Branch	Mica 1-20
	Data 1-20
	Loudspeaker 1-15
F. Photo Branch	Peso 1-28
G. Range Control	Range Control 1-5
H. Weapons System Branch	Ramrod 1-36
8. Life Services Division	
A. Assay & Tech.	Autoclave 1-20
B. Ecological & environ.	Bobcat 1-12
9. Facility Engineering	Pioneer 1-18
10. Aviation Division	Mustang 1-30
11. ASL Meteorology Team	William 30-100
12. Army Health Clinic	Medical 1-20
A. Ambulance Section	Pillbox 1-28
13. Technical Escort Detachment (Explosive Ordinance Disposal)	Redhat 1-15
14. Hawthorne Aviation (a civilian contractor)	Maintenance 1-7
15. Lockheed-EMSCO (a civilian contractor)	Vega 1-60

Fire Department Firefly 1-26
(AAG-460 is the main F.D. net, and secondary net for the Dept. of Defense Police)
("Firefly" calls for hazardous situations only, i.e., fuel fires, ammunition fires, etc.)

Provost Marshal Operations (Military Police) -- including sentry numbers

M.P. Station	65
Security Officer	1
Operations Officer	2
Operations Sergeant	3
Patrol Supervisor	4
Patrol	5
Patrol	6
Physical Security Specialist	7
M.P. Reserve Force	8
M.P. Reserve Force	9
Dugway Main Gate	10
Provost Marshal Investigator	11
Sr. PM Investigator	12
M.P. Investigator	13
M.P. Investigator	14
65th M.P. Platoon Sergeant	15
Intelligence	16
Vacant	17
Vacant	18

Installation Reaction Force (I.R.F.), callsign "Minuteman", is a separate radio net -- and cannot be accessed by radios on AAG-460 or AAG-470 nets. (Their frequency is currently not available, but it's possibly in the military low-band)

I.R.F. Platoon Leader	6
Platoon Sergeant	5
First Squad	1

Second Squad	2
Third Squad	3
Fourth Squad	4

The U.S. Air Force 6501st Range Control Detachment is assigned to Dugway as a part of the Utah Test & Training Ranges.

Frequencies are currently classified, but callsigns are as follows:

Scooter	1-9
Mobile Command Vehicle	10
Visitors	11-20

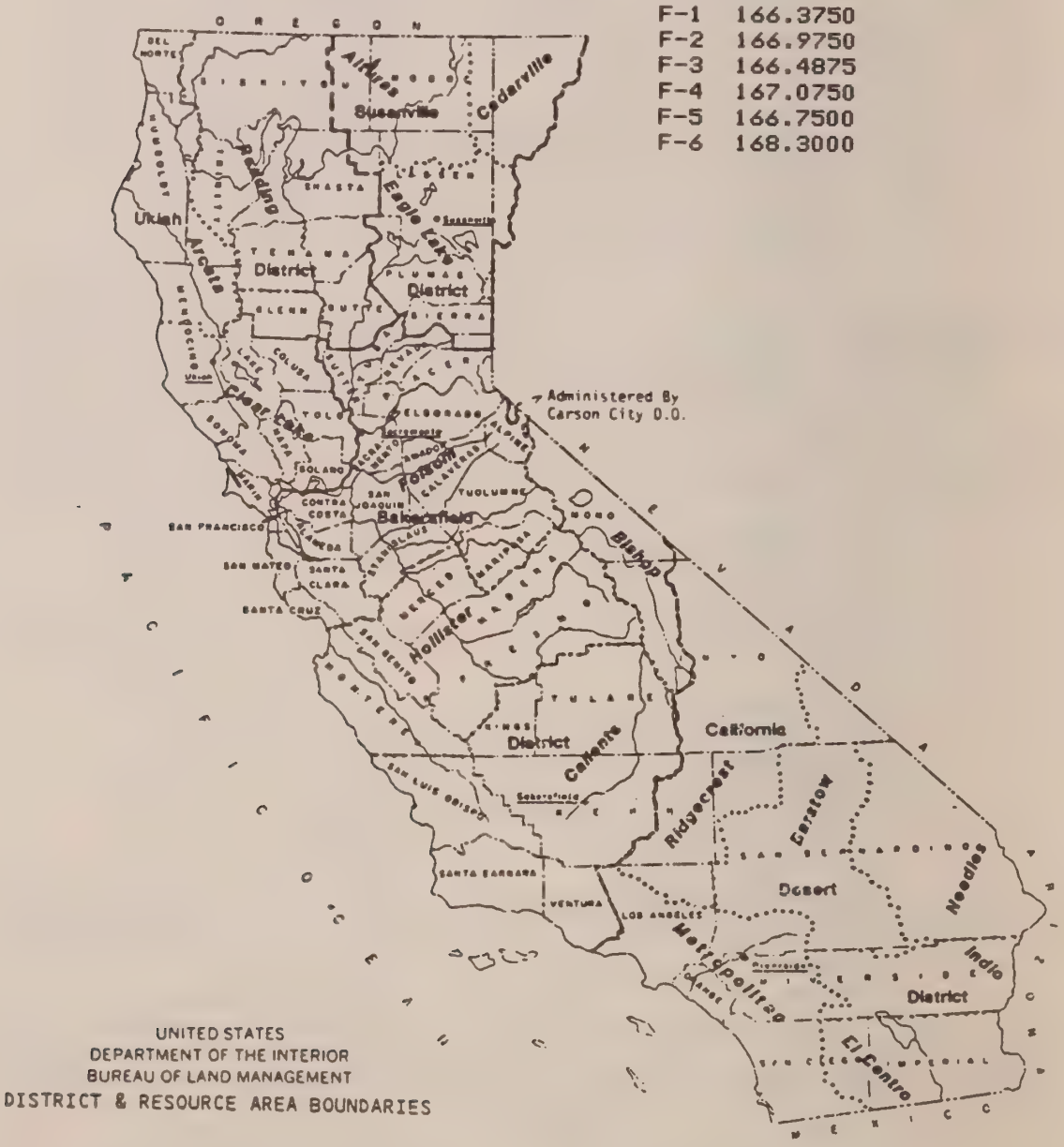
Test Control Point (callsign "Hamster")

Photo	1-20
Radar	1-3

FRED RICHTER (NM-005) sent us two maps for the U.S. Interior Department, Bureau of Land Management. One is California Radio System map, the other is of District and Resource Area Boundaries. They may be separated from the column -- where Carol can fit them in.

Frequencies referred to on the radio system map are:

F-1	166.3750
F-2	166.9750
F-3	166.4875
F-4	167.0750
F-5	166.7500
F-6	168.3000



That will take care of things for this month. Our thanks to the gentlemen for sending the above material.

Hope you have a good June. If you aren't busy getting married (or wishing you were and/or weren't), why not send something to keep my mailman busy and provide material for the membership to read on those warm Summer nights?

73 -

Denny

International

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to: Rickey Stein, 456 Barrymore Place, North Brunswick, NJ 08902.

The following is an excellent example of what can be done with a scanner taken on vacation. Harry Shute has been kind enough to provide us with the following information. This is exactly what I have been asking for from the membership for some time now. You can all see that while the report is not complete with all possible frequencies listed, it does provide a good deal of information not available before. This is a starting off place and we are grateful to Harry for providing it to us. With additional reports such as this one, we can begin to compile a detailled list of active Caribbean frequencies to help make travelling with your scanner so much more enjoyable. Here now is Harry's information:

He writes:

"The purpose of my letter is to report findings on my Caribbean cruise in February. I took with me my Bearcat 100.

In the U.S. Virgin Islands, I found a lot of activity. All reported are confirmed.

The Island of St. Thomas, including capital Charlotte Amalie:

POLICE (Dept. of Public Safety)

159.030 (R) (155.655)
159.210 (R) (154.710)
155.535 (R)
158.730 (R) (156.210)
158.790 (R)

The Island of St. Croix, including Christiansted and Fredricksted:

154.010 (S)		Fire
155.295 (R)		Ambulance
155.535 (R)		D.P.S.-Virgin Islands Police Dept.
158.730 (R)	(156.210)	" " Fredericksted
158.910 (R)		
159.090 (R)		
159.150 (R)		

ANTIGUA: West Indies- one police car had a trunk antenna which looked like a broken coat hanger. The only frequency monitored 154.210 , source unknown. No antenna on cabs or most police vehicles observed.

BARBADOS: West Indies- Radio Shack reports sale of few scanners as many European bands are used. The only traffic they report is Air, Marine, Police, Fire and C.B.

454.725 was air-to-ground aircraft telephone
171.720 pagine service
172.940 ?
170.800 radio station Studio-Transmitter Link
171.740 (R) travel industry

ST. MAARTAN N.A.: Netherlands Antilles

155.880 (R) water works (Dutch side)
159.500 (R) Spanish language
161.900 (R) (157.300) Marine mobile telephone Ch. 26
156.470 non-commercial Ch. 69

Our ship, the Sitmar Lines Fairwind which sails from Ft. Lauderdale Florida, has full programmable marine radios on the bridge and for the tenders which shuttle passengers to shore. Portable radios contain:

156.300 Ch. 6 Intership safety
156.800 Ch.16 Distress callin
------- Ch. A
------- B
------- C
------- D
156.500 Ch.10 to tug boats
156.590 Ch.12 to tug boats
156.650 Ch.13 navigational freq. for the Caribbean.

Sorry, that's all to report."

Harry, don't be sorry. This is one fine report and provides us with a good basis for compiling a list of area frequencies. Thank you again for a really fine report.

••••

I must apologize for having missed two issues of the Newsletter. This was due to life having caught up to me. With some luck, this article will make the proper issue and I promise to make up the two missing issues with some very interesting reports over the next several months. To all of those members who have forwarded information to me, please be patient. I will be in touch with each of you,individually, very shortly. Thank you now for sending the info. You will be seeing all of this information in the forthcoming issues of the Newsletter.

Until next month..... pifa

Marketplace

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, and items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to:
RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550.

Please be sure to include your membership number.

All Marketplace ads will be accepted ONLY on special forms available from this column's editor. Send a self-addressed STAMPED envelope (business size) to the address above to receive a supply of forms. Foreign members do not need to include postage on envelopes they send.

EDITOR'S COMMENT: I owe an apology to Carol Ruth and the makers of the following ads. It turns out that when I went to send my column in to Carol I used the wrong address. Instead of addressing it to Silverado, CA, I addressed it to Silverton, OR. Don't ask me how I managed to do it, because I am still trying to figure this one out myself. My column was returned to me three weeks later marked ''ADDRESSEE UNKNOWN-RETURN TO SENDER.'' Once again to all those effected, my apologies.

FOR SALE: Realistic Patrolman/PRO-2B VHF Monitor. 30-50 Mhz & 152-174 Mhz. Separate tuners plus 2 crystal slots per band. Includes service manual and schematic. AC or DC. $25.00. Contact: TOM MADRACKI (CA-OR-250), 1260 Newcastle Lane, Fullerton, CA 92633 or Phone 714-992-6359. (02-15-85)

FOR SALE: Northwest Microfilm NMI-90 Microfiche reader. 4'' x 7 3/8'' carrier; 24x and 42x lenses; 10 1/2'' x 12 7/8'' screen with roll-around cart with fiche storage drawer. Will sell separate. $100.00. Contact: TOM MADRACKI (CA-OR-250), 1260 Newcastle Lane, Fullerton, CA 92633 or Phone 714-992-6359. (02-15-85)

WANTED: Radio Shack/Realistic PRO-7B VHF Crystal Scanner. In good working order and neat appearance. Box or manual not required. Write with details and lowest acceptable price delivered to me. Contact: LES MATTSON (NJ-187), 212 West Broad Street, Paulsboro, NJ 08066. (02-18-85)

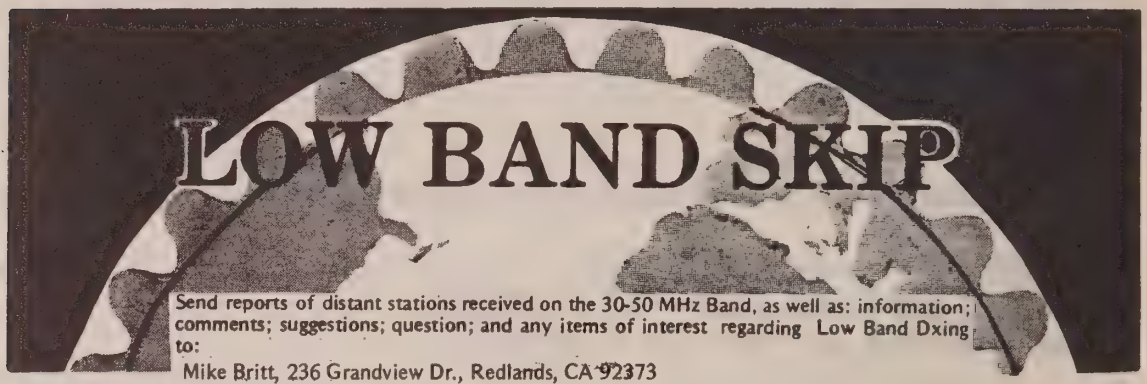
FOR SALE: Bearcat 100. All factory accessories, plus telescoping metal antenna, owner's manual and BNC connector. Excellent condition. $175.00. Contact: CATHERINE A. PICKLER (NC-056), P.O. Box 215, New London, NC 28127. (02-23-85)

.....

**CURRENT ADS (as of 04-07-85):

FOR SALE: Regency K-500. 40 channel programmable scanner with original accessories and carton. On-Off switch has to be jiggled for it to come on. Will ship UPS. $100.00. Contact: EDWARD KING (NJ-017), 14-31 Chandler Drive, Fair Lawn, NJ 07410. (03-18-85)

FOR SALE: Bearcat 220. Includes all accessories. Unit has been sent to factory a number of times to fix display board blacking out and frequencies changing on their own. Problems still occur. Maybe good for spare parts or somebody who can fix it. Will ship UPS. $80.00. Contact: EDWARD KING (NJ-017), 14-31 Chandler Drive, Fair Lawn, NJ 07410. (03-18-85)


LOW BAND SKIP
Send reports of distant stations received on the 30-50 MHz Band, as well as: information; comments; suggestions; question; and any items of interest regarding Low Band Dxing to:
Mike Britt, 236 Grandview Dr., Redlands, CA 92373

SUMMERTIME SKIP ZONE REPORT

This month I'm going to diverge from the usual format a bit and talk about antennas, coax and preamps. The emphasis will be on low band reception, ofcourse, and all information is based on my own experiences.

Antennas: After you've spent several hundred dallars on a top line scanner, don't stop there. Spend a little more on a good outside antenna! One of the "best buys" I've found is the drooping radial ground plane (see diagram at right). These antennas sell from around $25 to $75 depending on construction, tubing size, and where you buy it, ofcourse.

The gain of a drooping ground plane is about .5dB more than an equivalent horizontal ground plane. Impedance remains constant no matter which frequency it's tuned to, making it ideal for experimentation or re-tuning from 27mHz to higher freqs. Table A lists approximate lengths for all elements at various frequencies.

This type of antenna is naturally wide-banded, but it can be made more so by adding two or three inches to the length of the ground plane radials. Another technique involves tuning each ground plane radial to a different frequency! So, one radial might be 92½inches (31mHz), a second 73½inches (39mHz), and the third 58½inches (49mHz). Unfortunately, this configuration resultsin something less than an omnidirectional pattern of reception.

VHF-hi and UHF elements can also be added to convert this antenna to a true multi-band scanner antenna! These multi-band elements are mounted about one inch from the main element. See Table B for a few selected element lengths. Refer to VHF Antenna Handbook, edited by Alex Barvicks, for more details and equations concerning these multi-band elements. (By the way, Radio Shack sells a horizontal ground plane using a similar principle. These 3-band antennas are popular, and work well, especially on low band.)

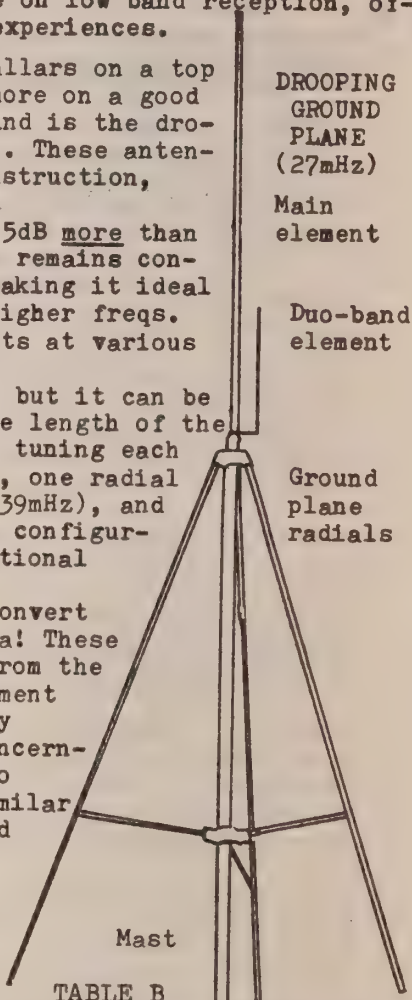


TABLE A

mHz	inches	mHz	inches	mHz	inches
30	95½	31	92½	32	89½
33	87	34	84½	35	82
36	79½	37	77½	38	75½
39	73½	40	71½	41	70
42	68¼	43	66½	44	65¼
45	63½	46	62½	47	61
48	59½	49	58½	50	57½

TABLE B

mHz	inches	mHz	inches
74	38¼	125	22½
132	21½	155	18¼
165	17¼	170	16½
218	13	270	10½
330	8	406	7
455	6¼	465	6

Coax: Scanners are wideband devices, and highly susceptible to RFI (Radio Frequency Interference). For this reason coax with the highest possible shielding should be used. The solid aluminum shielding used in hardline will give 100% shielding, but it's expensive. I've found that moderately priced RG-8 TV coax using an aluminum foil shielding and foam dielectric is excellent for scanners! Putting the connectors on presents somewhat of a problem, but it can be done.

The impedance of this "TV" coax is 70 ohms, but it will work well for scanners. I've tried Channel Master 8-RG-8 coax on a Ringo CRS-3 (tuned to 33mHz) and a wide-band UHF corner reflector (AT-880, government surplus, 390 to 620mHz). It worked great, and there was noticeably less RFI than with more expensive Radio Shack RG-8. Furthermore, Grove Enterprises sells a highly touted 70 ohm , aluminum foil shield coax (RG-6/U) for use with their scanners and scanner antennas, so you know such 70 ohm coax will indeed work well! Finally, I suspect dielectric contamination from the outer plastic covering will be less for aluminum foil shielded coax than with copper sheath types. This equates into longer life and better performance for your coax!

Preamps: I've had a lot of luck with preamps on low band, all of it bad! The problem seems to be that scanners are easily overloaded by strong low band signals and HF images. Preamps are fine for VHF-hi, and nothing short of fantastic for UHF. But they may backfire on low band by desensitizeing the scanner.

For example, I have a Hamtronics preamp especially built for scanners, 20 to 650 mHz, modle P432, 50 to 75 ohms. After careful testing on several antennas, including a VHF-hi mobile antenna, I found that although VHF-hi and UHF were noticeably enhanced, low band was actually attenuated! A Bearcat BC-250 scanner was used for the tests.

Also, I've tried a low band preamp (Hamtronics modle LNA-28, tuned to 32mHz), and found it's a fine way to convert your scanner into a shortwave receiver! Images from the HF band were about all that was heard. The moral is, if you want better results on low band, get a bigger antenna!

Random Signals: Random wire antennas can be used with a fair degree of success for low band reception. HF images and RFI in general are much more pronounced than with VHF antennas, but it is an inexpensive antenna. An HF antenna tuner of the variety which extends up to 54 mHz could help remove some of the interfering signals, but I've never experimented with one. Be shure the scanner is well grounded when using random wire antennas.

JULY 1984

Date: 7/3/84 Time: afternoon

47.59 & 48.93 Radio-telephone, Spanish language, full-duplex (Base, both sides of conversation heard) Location may be Florida!

47.65 & 47.83 Radio-telephone, English, full-duplex Location definitely Florida!!! As for the Spanish R-T's, these comms are likely coming from some of Florida's large Hispanic population.

Personnel working for Bay-to-Bay Harbor were heard on 47.65mHz. Mobiles have mentioned being near Tampa and St. Petersburg. Can any of our Florida members tell me where this business is located?

On 47.83 a chap was enthusiastically recommending the radios to his friend; "They cost $2100US." The implication seems clear. These radios were purchased outside the United States!!

I considered that these R-T's might be some sort of image or intermodulation problem, and searched the 35 and 43mHz bands while recieving these illegal R-T's, but only heard some paging from Florida.(I was using a different scanner and antenna, but doubt that made any difference.) The FCC Microfiche lists several mobile-telephone channels to Florida, but they all appear to be paging stations — no mobile unites listed.

Images from point-to-point mobile-telephone relay stations in the 72 to 76mHz band were also considered. Using the "image equations" listed in the October 1982 Low Band Skip column, we see that the images would fall in the 52.2 to 54.2mHz area for a scanner with a 10.8mHz I.F. So much for that possibility.

Note that these "pirate" mobile-telephone channels fall inbetween FCC allocations for water, power, petroleum, forest, special industry and special emergency frequencies. Using such split freqs decreases the likelihood legal spectrum users will receive interference from the pirate radio-telephones, and respond by calling in the Feds (FCC, that is)! These certainly are intriguing operations, especially when one considers

the many foreign political groups, drug smugglers, and multi-varied spies active in southern Florida! Ofcourse, I'm willing to believe these pirate channels are used by otherwise law-abiding individuals and businesses who's only wish is the privacy and uncongested radio communications which operating inbetween FCC allocated channels provides!

Several Florida pirate radio-telephone freqs were also listed in the April '85 LBS column. Here's the complete list to date:

47.47	English	47.65	English	47.83	English
47.59	Spanish	47.77	English	48.93	Spanish

48.00 & 48.04 Radio-telephone, British West Indies English, half-duplex Location; the Bahama Islands. Sometimes the other side of the conversation can be heard weakly. More Bahama R-T's will be listed in upcoming Skip Zone/Low Band Skip columns. Stay posted!

Date: 7/9/84 Time: morning

30.15 Radio-telephone, US Military, East Coast. A continuous guard tone is used, even during conversation. Half-duplex, 24 hour operation.

31.48 Vessels & Base, East Coast "Blue Water 4" Petroleum? Charter?

31.54 State Port Authority (?) "Calling any Port Authority unite in the New York harbor." The FCC Fiche shows licenses on this frequency to NC, PA and RI. What do our New York members have to say about this?

31.64 Open Carrier, often heard when Canada and the US East Coast are "in".

Date: 7/11/84 Time: evening

30.90 New York Transit Authority, base/buses "603" See April '85 LBS

30.92, 31.04, 33.16, 35.08, 35.12, 35.70, 37.52 Spanish BI, New York area

Date: 7/14/84 Time: afternoon

30.25 US Mil Apparently security for some sort of military exposition. "Tack 1" "Tack 3" "Fairfax County" Virginia(near Arlington/Washington DC)

Date: 7/16/84 Time: morning

29.75 "KIN819" Cross City, and "KNFM522" Hawthorn, Florida Georgia-Pacific Corperation (1120CDT)

29.76 French, Quebec Ministry of Public Works

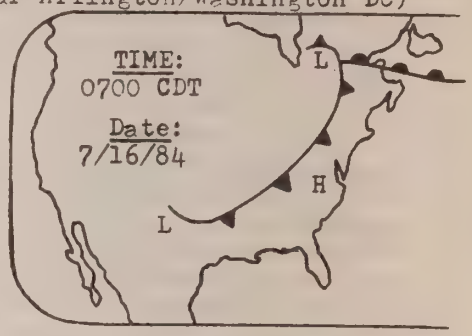
32.16 Canadian BI "Campground" Base/mobile

32.48, 35.76R-out, 36.16, 43.48 and 48.52R-out French Canadian, origin probably Quebec

35.12, 35.82, 35.88, 35.94, 35.96 and 35.98 Spanish businesses, origin probably Florida

39.18 "KWI670" Civil Defense, Miami, FL (1000CDT)

39.84R-out, 39.34R-in French Canadian language, Sintra, Inc., St.Paul, Quebec XOV256



Weather front moving SE.

Date: 7/23/84 Time: afternoon

31.96 Spanish BI May be construction or ranch work in Texas

33.18 "KKT531" Northern Natural Gas Co., Eldorado, Texas "Indian Wells"

Date: 7/26/84 Time: evening

30.10 US Navy? "Bearing 00 from light house"

30.64 Canadian BI Base/mobile

30.84 Non-voice signaling, AM emission, 2 watts or less. Most FCC licenses on 30.84 are limited to 2 watts, although there are exceptions. Yes, these low power signals are fair game. Low power operations tend to drift in and out, but signal strengths are often excellent!

30.84&30.88 Spanish(N.Y.)

31.20 Spanish Taxi Service, New York

30.98 Southeastern Pennsylvania Transportation Authority Base and Bus

32.04 US Military Aircraft "Go to mock 3 in 20 mikes." (!!!) Unusual, huh?

32.22 Field Test, NBFM A New York taxi service was heard conducting range tests on this unusual frequency! The personnel had British West Indies accents, but the many 10-20's (location information) made it clear they were operating in the Big Apple: "Van Wyke Expressway" "Bus terminal on 42ed Street" "Flatbush" "Brooklyn" Marley,"Pick it up K.K., from 94 Base." K.K.,"You're 5 strength — it's beautiful!" (K.K. was mobile)

Did the FCC issue them a developmental or experimental license for making range tests before assigning one of the low band FM business channels? After all, one wouldn't want to invest big bucks in a radio system for a fleet of cabs if they won't reach back to the base. Ha! Wait till they get one of those crowded New York FM business channels with lots of QRM! Field tests on uncongested frequencies can be deceptive.

Another possibility is that these people may have brought their radios into the U.S. from their Caribbean homeland not realizing that 32.22 is in the federal band. Or are they simply "pirates"?

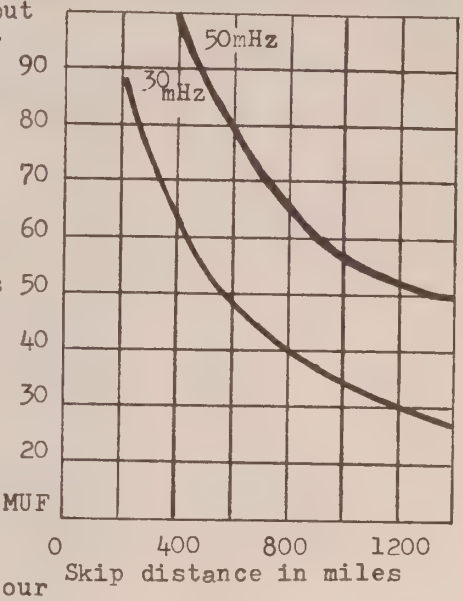
Do any of our knowledgeable members have any idea what this New York taxi service was doing on 32.22? If so, speak up! (Send your suggestions to me, not Mike Britt.)

PROPNOSTICATION

O.K., I admit it. I made up that word just to get your attention! Now, I'd like to review some of the modes of propagation that will be responsible for summertime skip. Tropospheric bending and tropospheric ducting favor VHF-hi and UHF frequencies over one gigahertz! Skip distances may approach 2500miles although 500 to 1500miles is more common. Unfortunately, frequencies below 50mHz usually will not travel over 300miles. Tropo is associated with inversion layers and the trailing edges of high pressure areas.

Sporadic E (E_s) skip is another mode of propagation especially common in summer. It's also produced by heavy weather, but favors frequencies below 50mHz, with skip distances of over 1200miles for a single "hop", and over 2400miles for multi-hop. For most areas in the contiguous U.S., both Mexico and Canada should be within range of single hop E_s.

There's a surprising effect exhibited by E_s skip due to it's geometric properties. As a general rule, the closser a station on or near 30mHz is heard, the further away stations on or near 50mHz may be heard! As an example, if I log the Arkansas State Conservation Officers on 31.70mHz (about 450 miles from my QTH), then I might expect to hear skip up to 55mHz over 1000 miles away (probably in the same direction).



The chart at right will help in estimating the MUF and skip distance. Using the example given above, find the intersection between 450miles and the 30mHz line(true, 31.70 is a bit higher than 30, but it's close enough for our estimate). Now draw a horizontal line through this intersection. This gives us a predicted MUF of about 55mHz, as seen at the left of the chart. To determine the skip distance for the 55mHz skip, find the spot on the 50mHz curve which intersects previously mentioned horizontal line. Next draw a vertical line from this intersection down to the "mile" line at the bottom of the chart. This is the predicted skip distance for 55Mhz, about 1100miles or so.

This chart is based loosely on data found in The Shortwave Propagation Handbook, by George Jacobs and Theodore J. Cohen. I highly recommend this book, especially if you didn't understand my brief explanation of predicted MUF and skip distances! And don't let that title throw ya. The authors also include information on VHF, as well as Shortwave.

32.60 US Mil "We're on 65 Net." 34.70 US Mil "Gulf Fleet 2" Navy?
38.27 Telemetry (24 hour oprtn) 35.00 Spanish R-T Full-duplex
40.20 Telemetry (industrial?) 48.45 & 48.65 US Mil Training
43.64 "KBM285" Paging, Barnabas Medical Center, Livingston, N.J.(Auto-ID)
47.24R-out, 46.68R-in French Canadian BI Products de Ciment, Tangvay, Q.
48.44R-out, 49.72R-in French Canadian Shared Repeater Probably Quebec
48.84R-out French Canadian BI 49.61 Canadian Hydroelectric Oprtns
49.79 Telemetry, similar to 38.27 49.67 Cordless Phone (skip?)
49.79 MARS (Ohio?) 49.85 Open carrier with guard tone
49.93 MARS, Ohio "Operating on emergency power." "KT52M" "Ohio MARS"

Date: 7/27/84 Time: 1230 to 1300 CDT

31.30 German language!! Note that 31.30 is allocated for state conservation in the U.S. It seems doubtful that German conservation officers were out stomping through our state forests; more likely, these comms may have been coming from a vessel off the East Coast, as other skip was monitored coming from that area.

Multi-hop F_2 skip from East or West Germany is completely out of the question during this low point in the solar cycle. Usually, intrcontinental skip is only heard around December, January and February, during periods of high solar activity. The possibility of multi-hop F_2 skip occurring in July 1984 is about as likely as the proverbial snow storm in July!

Date: 7/28/84
32.00 US Mil "Red Dog 1, Red Dog 0"

Date: 7/29/84
30.58 & 30.62 Cajun, Louisiana

Date: 7/31/84 Time: morning
30.19 Dominican Republic? 31.10 Spanish BI Central America?

31.37R-in Spanish BI Thought to be a construction company on the Dominican Republic. Repeater output is 37.19mHz. On this day speech inversion scrambling was being used alternately with clear voice! "Santo Domingo"
31.485 Whistler Radio-Telephone This particular Whistler channel is always heard around this time of year! Later, as we enter fall, this freq will cease to be heard, and other Whistlers will become active. Possible locations for the 31.485 Whistler include Haiti, the Dominican Republic or southeast Cuba. Note: Those of you who regularly monitor the Gulf Fleet Marine Corperation on 31.48 may notice the 31.485 Whistler bleeding over into the G.F. comms.
31.70 W.Virginia State Conservation "Illegal blasting and strip mining" "Marshall County" "Call Brooke County sheriff's office."
32.70 French Canadian Mil (WBFM) 36.00R-out Spanish Central America
40.06, 40.28R-out, 40.40, 41.10, 41.18 Cuba? 45.45&47.80 US Mil
47.04R-out, 46.68R-in Montmagney Ready Mix, Inc. Les Ebov, Quebec
49.50 Spanish Petroleum BI Location may be New York. (?) "La bomba"

NEXT MONTH: Mike Britt should have a full column of contributions from our fellow members. If you've got a log book overflowing with exotic skip catches, please take time to send the information in to Mike. Everyone will appreciate your efforts!!! "Catch" ya later.... Chuck Robertson (IL-141)

photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 x 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to:

Hugh Stegman, 11622 Exposition Blvd., #2, Los Angeles, CA 90064

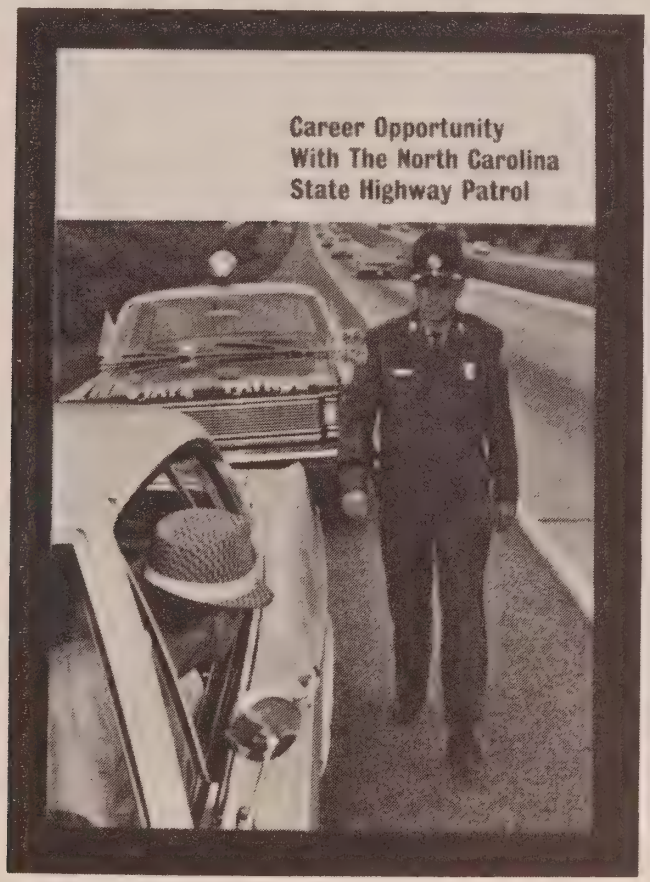
Welcome to your user-friendly Photo Department, which has a good batch of shots from some other Newsletter editors.

OLD & NEW

Capt. William Mauldin is the outgoing PS/SE editor, and has just taken on the newly created job of RCMA General Editor. Bill sent some historic photos from his collection on the North Carolina State Highway Patrol.

The trooper in the first shot is Capt. C.D. Farmer, who was the first commander. Behind is a 1929 Ford patrol car.

Next are two recruiting pictures from the mid and late 60's, respectively. Again, the cars look like Fords. Low band VHF was used.



Finally, a trooper takes some radar shots, in a photo taken for a 1978 news story. I think the car is a Plymouth Gran Fury (perhaps with the 440 Magnum engine!). NC State HP is now dispatched on VHF-high, with some tactical use of low band. Thanks to Bill for these neat shots.

PORTLAND GOES CELLULAR

George DuBois, our FCC Topics editor, recently took some shots of the new cellular mobile phone site in southeast Portland, OR. GTE Mobilnet is the carrier here, and it looks like things are being done a bit differently then in L.A. (a Bell city).

While other sites are on hills, this one is atop the Weatherly Building. Our first photo is from a distance, and the high-rises behind this older building are actually across the river. This site has a shot at most of downtown.

The front view of the building shows some receiving antennas up at the top. These are big, collinear arrays with corner reflectors to establish directional sectors. Transmitting antennas (seen later) are omnidirectional. The arrays seen to the left of the flagpole point north, and the one to the right aims westward.

The photo labeled with the "3" shows south-facing antennas. A closeup of these is last, with a transmitting vertical visible at left.

George says that 15 frequencies are used at this site, although he has monitored 13. 880.08 MHz is the control channel, and phones use the new prefix of 250-0xxx.

George also notes that he borrowed a camera to take these shots. I think he did a rather professional job. Nobody said long-lens photography was easy. So thanks, George, and we'll see everyone next month.

RCMA SPECIAL FEATURE RCMA

Conclusion of last month's contribution from Les Mattson (NJ-187).

SKIP .....Reflection of radio waves from atmosphere
SLIM JIM .....Locked car door opener
SP .....State Police
SPCA .....Society for Prevention of Cruelty to Animals
SPEN .....State Police Emergency Network
SQUAD .....Ambulance or First Aid Squad
SSB .....Single Side Band
STANDBY .....Wait or stop
STATION .....Fire house, barn, fire hall, police H.Q.
STAT .....Hurry! Emergency (hospital)
SURVEY .....Unoccupied house check
SW .....Short Wave
SWAT .....Special Weapons And Tactics (police)
TANKER .....Oil truck converted to carry water for fire fighting in rural areas
TEN CODES .....Police and fire personnel verbal "shorthand"
TOW .....Tow Truck, wrecker, hook
TRANSCEIVER .....A radio unit that both sends and receives
TRANSMITTER .....A radio unit that transmits only
TRAUMA .....Injury caused by violence, pressure or shock
TT .....Tractor Trailer
TX .....Transmitter (morse code)
UHF .....Ultra High Frequency
USPS .....United States Postal Service
UTC .....Universal Coordinated Time
VA .....Veteran's Administration
VIN .....Vehicle Identification Number
VHF .....Very High Frequency
VOX .....Voice Operated Transmit
WAGON .....Patrol Wagon or van

RCMA MEMBERSHIP READER SURVEY

In an effort to understand the needs and desires of the RCMA general membership, it would be greatly appreciated if you would complete this reader survey and mail it as noted. This is your club. You pay $16.50 a year for membership. Your fellow members who collect the data and write the columns each month want to make the club publication as interesting as possible. This survey will take only a few minutes to complete and mail. Please take a few minutes to tell us the answers to the following questions.

Once you answer the questions, treat this page as a magazine centerfold and remove it from the magazine. The full four page survey is printed on a single sheet, and should remove easily, without any damage to your issue. Once removed, just fold and place in an envelope and mail to the address noted at the bottom of survey page four. We won't know your needs and desires unless you take a few minutes and answer the questions below.

- - - -

COLUMN SURVEY - CONTINUED:

COLUMN TITLE	OVERALL RATING	VALUABLE DATA
Public Safety South Central	( )	( )
Public Safety South East	( )	( )
Public Safety West	( )	( )
Railroads	( )	( )
Space Communications	( )	( )
Special Feature *	( )	( )
Technical Topics	( )	( )
Thoughtwaves	( )	( )
VHF Marine	( )	( )

(*Special Feature is the Guest Editor column. Anyone can write an article on any subject related to communications and have that information printed in this section.)

3. Which column listed above is your favorite column, providing you with the most enjoyable reading and most worthwhile information?

4. Which column is your least favorite and could be deleted from the magazine completely without being missed at all by you as a member?

5. If YOU were to pick a new subject to be covered in the NEWSLETTER each month, what would that subject be --- and how many pages would you devote to the subject?

6. Do you think it important for editors to acknowledge all contributions sent to them? Keep in mind Editors must pay their own postage unless the reader sends a stamped, self-addressed postal card or envelope. Check (✓) your answer...

   Acknowledge ( ) Yes ( ) No ------- Club Pay Postage ( ) Yes ( ) No

7. Were you aware that an Editor's job is a volunteer position and that the Editor of the columns are unpaid? ( ) Yes ( ) No

8. Would you, as a member, like to be considered for an Editor's job in the future? If your answer is "Yes", what subject would interest you?

   ( ) Yes ( ) No -------- IF Yes... Subject:

9. How many times during the past year have you written an Editor and/or submitted information for a column?

   Number of times: ( ) ---------- Most frequent column:)
   Number of times: ( ) ---------- Next most frequent:)
   Number of times: ( ) ---------- Next most frequent:)

Continued...

10. Being aware that Editors do not publish more than first names and club ID numbers, and omit that upon request, would you be willing to contribute something to an Editor during the upcoming year? ( ) Yes ( ) No (* Names published when requested.)

11. What single subject... department, public safety agency, railroad, business system, Govt agency, or aircraft data interests you more than any other?

12. What single subject... department, public safety agency, railroad, business system, Govt agency, or aircraft subject do YOU know more about than MOST other listeners?

13. If asked, would you be willing to contribute data on the subject you listed in answer to question #12? ( ) Yes ( ) No

13A. IF the answer was YES, would you send your information to the Editor? ( ) Yes ( ) No
Can the Editor contact you directly for some assistance on the subject? ( ) Yes ( ) No

14. Regarding Public Safety, would you prefer to see an Editor hold data until there is enough information collected for a full feature article, OR would you rather just see him print updates and corrections when they arrive from other readers?
( ) Hold for feature article ( ) Print Updates

15. Have you found the APCO "Official Ten Signals" printed at the beginning of the Public Safety columns useful and have you refered to the listing recently?
( ) Useful ( ) Not Useful ( ) No Opinion

16. Should we retain the APCO listing and print it each month or should we delete it?
( ) Print each month ( ) Delete it

17. Regarding Public Safety coverage, which department would rank first (1), second (2), third (3) and fourth (4) in order of prefered coverage by the editor?

( ) State Patrols ( ) Local Police ( ) Fire Rescue ( ) EMS Data

18. Regarding Public Safety coverage, would you be willing to send your editor the complete code and frequency data for YOUR city and county? ( ) Yes ( ) No

19. On the average, how many HOURS A WEEK do you listen to the following services?

( ) Public Safety ( ) Aircraft ( ) Railroad ( ) Business ( ) Marine

20. Do you keep the RCMA NEWSLETTER? ( ) Yes ( ) No. If so, what is the date of the oldest copy in your collection? Month: Year:

21. List any other communications publications that you subscribe to or read on a regular basis. List them in order of personal enjoyment and preference:

22. Do you own a personal computer? ( ) Yes ( ) No - If so, the make & model:

Continued...

23. What is the MAKE and MODEL of your favorite scanner or monitor receiver?

24. What is your favorite frequency and who is the licensee?

25. Do you feel you know ALMOST everything about the operator you listed in question #24?

( ) Yes ( ) No ---- Do they use a code? Do you understand it?

26. List any other radio or communications clubs to which you belong:

27. Are you a licensed radio amateur operator? ( ) Yes ( ) No
If yes... Class License: Call Letters:

28. Are you an ACTIVE user of CB communications? ( ) Yes ( ) No

29. Are you an employee of any of the following? ( ) News Media ( ) Radio/TV Station
( ) Fire/VFD ( ) Police Aux. ( ) Airline ( ) Railroad ( ) EMS/Ambulance Ser.

30. Do you own a 35mm or larger format camera and consider yourself a reasonably good photographer? ( ) Yes ( ) No

31. Mark any of the following equipment that you own and use frequently?
( ) Scanner ( ) Portable Scanner ( ) Shortwave Receiver ( ) RTTY Printer
( ) Mobile Monitor ( ) CB Radio ( ) Outside Base Antenna ( ) 800 MHz Scanner

32. Would you like to see a complete yearly index printed each December? ( ) Yes ( ) No

33. Are you in favor of RCMA member surveys and would you be willing to complete another one related to what you are monitoring? ( ) Yes ( ) No

34. What is your City: State:

35. List one suggestion for getting more membership input to the magazine:

36. Briefly, what is your biggest, single complaint about the RCMA Newsletter?

This information will help us better serve you in the year ahead. Please complete this form as soon as possible and mail to the address noted below. You can write your name, address and membership number if you like, but it is not required.

Mail to: RCMA General Editor
2268 N.W. 30th Road
Boca Raton, Florida 33431

Thank you!

WASHDOWN .....Hose away debris from a motor vehicle accident
WPM .....Words Per Minute (morse code)
WT .....Walkie-Talkie (hand-held police radio)
WX .....Weather (morse code)
YL .....Young Lady (morse code)

Public Safety

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for police; sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

Associated Public-Safety Communications Officers, Inc.

OFFICIAL TEN SIGNAL LIST

APCO states the numbering, sequence, words or word phrasing of the below listed signals may not be altered, nor may the reserved signals be otherwise implemented except by APCO. Any user may employ signal numbers upward, beginning with 10-40, as needed for local dispatching. RCMA publishes this listing in support of APCO and their uniform dispatch code efforts. We will print other dispatch codes, different from the OFFICIAL APCO listing, only to assist our membership in their continued monitoring hobby. It is hoped you find this listing useful.

10-1	Signal weak	10-19	(In) contact
10-2	Signal good	10-20	Location
10-3	Stop transmitting	10-21	Call ( ) by phone
10-4	Affirmative (OK)	10-22	Disregard
10-5	Relay (to)	10-23	Arrived at scene
10-6	Busy	10-24	Assignment completed
10-7	Out of service	10-25	Report to (Meet)
10-8	In service	10-26	Estimated time of arrival
10-9	Say again	10-27	License/Permit Information
10-10	Negative	10-28	Ownership Information
10-11	( ) on duty	10-29	Records check
10-12	Stand by (stop)	10-30	Danger/Caution
10-13	Existing conditions	10-31	Pick up
10-14	Message/Information	10-32	( ) units needed (Specify)
10-15	Message delivered	10-33	Help me quick
10-16	Reply to message	10-34	Time
10-17	Enroute	10-35 through 10-39 are reserved for future assignment by APCO. User option 10-40 upward.	
10-18	Urgent		

PUBLIC SAFETY — SOUTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia, and Virginia:

John Dorsey, P.O. Box 101, Quinton, VA 23141

My comments in these columns will always be short. That leaves more room for your contributions. I would like to say that I consider it an honor to be associated with a prestige group of dedicated and very talented people. I realize I will never approach Bill Mauldin's stature either in his ability to handle vast amounts of data, or in the range of interests he has brought to these pages. We are fortunate that Bill will still be my mentor.

I will miss Ginny Slick's Thought Waves. Ginny has given us warmth, understanding, and clear perspective in a hobby which gets more complex each day. Thank you so much, Ginny. I wish you much luck and happiness in your musical endeavors.

There is no publication in existence that can match the Newsletter in the ability to follow fast-changing Public Safety communications. To fully realize this potential, everyone has to participate. If there's information you want that's not in the Newsletter, it's because no one thought it important enough to send in.

LET'S HEAR FROM YOU! John

MONITORING WESTERN VIRGINIA AND WEST VIRGINIA

By: Edgar 026

Edgar sent in one of the best personal listings I have received since writing the Public Safety Southeast. If everyone would follow this fine example of membership input, the information contained in RCMA NEWSLETTER would cover offer data you can't find elsewhere. (Editor)

From Edgar's personal listing:

33.700 MHz	Peterstown, WV FD	43.680 MHz	Page Services
45.050 MHz	Roanoke County PW		
36.850 MHz	USN Roanoke	45.080 MHz	Roanoke Co. Fire
37.480 MHz	Appalachain Power	45.160 MHz	Blacksburg, Dublin
37.580 MHz	Appalachain Power	45.200 MHz	Radford F2, Bedford
37.640 MHz	Appalachain Power	45.240 MHz	Montgomery Co.
39.120 MHz	State Correction Centers	45.280 MHz	Dublin FD F2
39.200 MHz	Montgomery County Police	45.320 MHz	Wide Area Fire F1
39.240 MHz	Montgomery County Police	45.360 MHz	Giles Co F2
39.280 MHz	Dublin & Pulaski County Police	45.400 MHz	Pulaski F2 Fire
39.320 MHz	Bluefield Police	45.440 MHz	Blacksburg F2, Mont
39.360 MHz	Roanoke County PD F1	45.560 MHz	Chatham Co. Ser.
39.400 MHz	Franklin, Smyth County Police	45.580 MHz	Greensboro NC ABC
39.420 MHz	State, Boutetourt County Police	45.600 MHz	Roanoke Co. Service
39.480 MHz	Craig County, State and WV State Police		
39.500 MHz	Roanoke County F3, Craig County	45.640 MHz	Covington Services
39.540 MHz	SIRS (Police Network) State & Local	45.850 MHz	Blacksburg M.Aid ?
39.560 MHz	Carroll County Police	45.880 MHz	Roanoke Co FD F2
39.580 MHz	Marion & Buena Vista Police	45.920 MHz	Pulaski Life Sav F2
39.600 MHz	Bedford City Police	45.960 MHz	Vet, Christianburg
39.640 MHz	Wythe & Amherst County Police	46.000 MHz	Bedford Life Saving
39.660 MHz	Radford Police & Radford College	46.040 MHz	VA Tec 1st Aid
39.680 MHz	Grundy Police	46.060 MHz	Covington Fire Dept
39.720 MHz	Floyd, Giles County/City Police	46.080 MHz	Greenbrier Co Fire
39.740 MHz	Henry County Police	46.120 MHz	Greenbrier Co Fire
39.760 MHz	Covington, Clifton Forge, Alleghany Police		
39.780 MHz	Gate City, Franklin County Police	46.260 MHz	Bedford Fire Dept
39.800 MHz	Lexington, White Sulpher Springs PD	46.420 MHz	Ringgold Fire Dept
39.840 MHz	Front Royal Police	46.440 MHz	Patrick Co Fire
39.860 MHz	Buena Vista, Henry County Police	46.480 MHz	Roanoke Co Fire
39.900 MHz	Franklin County Fire Rescue, VA Corrections Staunton		
40.200 MHz	U.S. Army National Guard, Richmond	46.500 MHz	Guilford Co Fire
41.450 MHz	U.S. Army National Guard, Virginia	46.520 MHz	Covington Allegh Co
42.100 MHz	West Virginia State Police, Base Dispatcher		
42.120 MHz	West Virginia State Police, Base Dispatcher		
42.260 MHz	West Virginia State Police, Car to Base		
42.500 MHz	N.C. State Highway Patrol, Base Dispatch		
42.520 MHz	N.C. State Highway Patrol, Base Dispatch		
42.560 MHz	N.C. Dept. of Corrections, Simplex		
42.600 MHz	N.C. State Highway Patrol, Base Dispatch		
42.620 MHz	N.C. State Highway Patrol, Base Dispatch		
42.640 MHz	N.C. State Highway Patrol, Base Dispatch		
42.720 MHz	N.C. State Bureau of Investigation (SBI)		
42.820 MHz	N.C. State Highway Patrol, Car to Car		
42.860 MHz	Virginia State Police (old low band system)		
42.880 MHz	Virginia State Police (old low band system)		

47.420 MHz	American Red Cross, National Frequency
47.140 MHz	Dept. of Transportation / North Carolina & West Virginia
47.220 MHz	Dept. of Transportation, Virginia
47.260 MHz	Dept. of Transportation, North Carolina
47.280 MHz	Dept. of Transportation, West Virginia & Virginia
47.300 MHz	Dept. of Transportation, Virginia Highway Maint.
47.320 MHz	Dept. of Transportation, North Carolina & West Virginia
47.340 MHz	Dept. of Transportation, Virginia Highway Maint.
47.360 MHz	Dept. of Transportation, West Virginia
47.380 MHz	Dept. of Transportation, North Carolina
47.660 MHz	Cana Vol. Rescue Squad - Dispatch
47.720 MHz	Colonial Gas Company of Radford VA
47.840 MHz	Duke Power Company - license listed to Charlotte
47.980 MHz	Duke Power Company - license listed to Greensboro
47.950 MHz	U.S. Army National Guard, Raleigh & Salisbury NC

143.990 MHz	U.S.Army MARS (Military Amateur Radio Service) Roanoke Repeater
148.150 MHz	Civil Air Patrol - National Frequency
148.410 MHz	U.S. Navy MARS (Military Amateur Radio Service) Repeater
149.925 MHz	Civil Air Patrol Repeater near Pulaski VA
150.935 MHz	AAA Auto Club of Virginia near Roanoke
151.190 MHz	Forest Conservation (No Location Given)
151.265 MHz	Forest Conversation (No Location Given)
151.280 MHz	Game and Fish Wardens (No Location Given)
151.340 MHz	Forest Conversation (input to 159.435 MHz Repeaters
151.355 MHz	Forest Conservation (No Location Given)
151.370 MHz	Forest Conservation - Staunton Repeater
151.415 MHz	Forest Service Channel #2 Repeater
151.430 MHz	Forest Service
151.475 MHz	Forest Service
154.310 MHz	Roanoke Fire Department
154.400 MHz	Hollins College Police - College Security Officers
154.445 MHz	Lynchburg City Fire Department
154.540 MHz	Hollins College - Use not listed
154.665 MHz	Virginia State Police, Car to Car, "TAC 2"
154.695 MHz	Virginia State Police, Surveillance, "TAC 1"
154.725 MHz	Blacksburg Police Department
154.785 MHz	Blacksburg Police Department
154.845 MHz	Brookneal Police Department
154.875 MHz	Vinton Police Department
154.905 MHz	Virginia State Police, "Channel 11", Mobiles
154.935 MHz	Virginia State Police, "Channel 12", Mobiles
155.025 MHz	Hillsville & Roanoke Public Works, F2, Roanoke Airport Security Police
155.130 MHz	Roanoke Police Department
155.160 MHz	Pulaski Community Hospital
155.220 MHz	United Ambulance Company - Roanoke
155.250 MHz	Pulaski Town Police, F1
155.280 MHz	Radford Community Hospital, Lewis Gale Hospital (Salem VA)
155.340 MHz	Roanoke Memorial Hospital, NC Rescue Squad Assn (statewide use)
155.400 MHz	Montgomery County Hospital, Roanoke Comm. Hospital
155.430 MHz	Virginia State Police, "Channel 14", mobiles
155.445 MHz	Virginia State Police, "Channel 13", Mobiles
155.460 MHz	Virginia State Police, Mobile to Base
155.490 MHz	Roanoke City Police, F2
155.535 MHz	Virginia Tech Police, Blacksburg
155.565 MHz	Radford Police & Blacksburg Police
155.595 MHz	Bristol Police & Danville Police
155.685 MHz	Pulaski Town Police, F1
155.790 MHz	Roanoke County Sheriff, TAC Channel
155.820 MHz	Roanoke City Rescue Squad, Dispatcher
156.150 MHz	Roanoke County Police
158.820 MHz	Roanoke Public Works F1, (used by PD at times)
158.985 MHz	Virginia State Police, "Channel 11" Base, Salem Dispatcher
159.000 MHz	Virginia State Police, "Channel 12" Base, Wytheville Dispatcher
159.135 MHz	Virginia State Police, "Channel 13" Base, Appomattox Dispatcher
159.165 MHz	Virginia State Police, "Channel 14" Base
159.225 MHz	Forestry, Input to 159.415 MHz repeaters
159.255 MHz	Forestry Division, use not stated
159.285 MHz	Forestry Division, use not stated
159.300 MHz	Forestry Division, use not stated
159.360 MHz	Forestry Division, F1, Simplex use
159.415 MHz	Forestry Division, use not stated
159.435 MHz	Fish & Game Officers, Repeater System
159.465 MHz	Forestry Division, use not stated
159.935 MHz	Fish & Game Officers, Virginia, use uncertain
161.640 MHz	WSLS Television, Media News Reporters
161.700 MHz	WSET Television, Media News Reporters
161.760 MHz	WLVA Television, Media News Reporters
164.000 MHz	Medical Center Paging, Roanoke
166.250 MHz	WFIR, WPVR Radio Reporters and News coverage
166.375 MHz	Blue Ridge Parkway Rangers, Input to F1 repeaters
167.175 MHz	Blue Ridge Parkway Rangers, Repeater F1
168.000 MHz	Veterans Administration Repeater (Salem) input channel
168.525 MHz	Veterans Administration Repeater (Salem) output channel
169.925 MHz	Forestry, George Washington National Park Repeater
170.475 MHz	Forestry Detection & Fire Prevention
170.525 MHz	Forestry, George Washington National Park, repeater input
171.425 MHz	Forestry Detection & Fire Prevention

171.525 MHz	George Washington National Park
171.575 MHz	Jefferson National Park, Repeater output
172.250 MHz	Jefferson National Park, Repeater input
172.275 MHz	Forestry, use not stated
172.325 MHz	George Washington National Park, Repeater input

Editor's Note: There is not enough room to print the UHF listings of Edgar's listing, but we will continue it next month. Keep in mind that these frequencies have many users, however, these are the stations heard from Dublin, Virginia... We wish to thank Edgar for his super listing and we hope that it sets an example of what we would like from each of you!

UHF listing will be printed next month!

MONITORING CHARLOTTE, BREVARD AND SARASOTA COUNTIES (FL)

by: Joe, MD-015

Charlotte County FL Sheriff's Department:

154.830 MHz	F1	Primary Dispatch	155.565 MHz	F2	
154.950 MHz	F3		155.370 MHz	F4	FL Intercity

Sarasota County FL Sheriff's Department:

154.875 MHz	F1	Primary Dispatch	154.770 MHz	F2	
154.950 MHz	F3		155.370 MHz	F4	FL Intercity

Englewood VFD Dispatch	46.060 MHz	Dispatch	46.180 MHz	F2
Englewood Ambulance EMS	462.950 MHz	Dispatch	463.050 MHz	463.100 MHz

Florida Marine Patrol	45.000 MHz	Dispatch	South Venice Fire	42.220 MHz
North Port Police	158.790 MHz	Dispatch	S. Co. Ambulance	462.975 MHz
Venice Fire Department	154.155 MHz	Dispatch		

Charlotte County Fire - Ten Signals - Dispatch Codes:

10-32	Send equipment without lights and sirens.
10-33	Emergency
10-36	Correct time
10-45	Call ( ) by telephone.
10-47	Call Florida Division of Forestry.
10-48	Call Florida Highway Patrol.
10-49	Call Sheriff's Office.
10-50	Call Florida Power and Light Company.
10-81	Operate on Channel 1 (46.060 MHz).
10-82	Operate on Channel 2 (46.180 MHz).
10-88	Where can ( ) be located?

Station Call Signs:

46.060 MHz & 46.180 MHz	
Englewood	KIP537
Grove City	KYQ367
South Venice	KSR775
Venice	KWI611

Code 1	Building Fire	Code 5	Vehicle fire
Code 2	Brush Fire	Signal 4	Accident
Code 3	Unknown	Signal 25	Fire
Code 4	Bomb Scare	Signal 26	Drowning

Brevard County FL Fire, Civil Defense, and Law Enforcement:

Brevard County Fire Networks:

154.160 MHz	County-wide Fire Network - Primary
154.385 MHz	Battalion #1 Fire Control (fire ground use)
154.445 MHz	Battalion #2 Fire Control (fire ground use)
154.175 MHz	Battalion #3 Fire Control (fire ground use)
154.355 MHz	Battalion #4 Fire Control (fire ground use)

County Communications Radio Networks:

158.940 MHz	Mobile to base transmitters
155.715 MHz	Repeater Outputs - County assignments
155.955 MHz	Animal Control and Utilities

Brevard County Sheriff - Law Enforcement Network:

154.710 MHz	F1	Brevard County Sheriff Dispatch	(155.250 MHz Input)
155.250 MHz	F2	Brevard County Sheriff Dispatch	(155.626 MHz Input)
154.950 MHz	F3	Brevard County Sheriff Simplex - Police Emergency Frequency	
155.370 MHz		Brevard County Sheriff - FL Intercity Communications Channel	

County Emergency Medical System:

155.160 MHz	HEAR Ambulance Coordination Frequency
155.340 MHz	HEAR Ambulance to Hospital / Hospital to Hosptal Frequency

MEDCOM -

463.100 MHz	Primary Channel, MED 5 Frequency
463.025 MHz	1st Alternate, MED 2 Frequency
463.050 MHz	2nd Alternate, MED 3 Frequency
463.175 MHz	STATEWIDE USE - MED 8 Frequency
462.950 MHz	Brevard County EMS Dispatch, Primary Frequency

Consolidated Agency Transportation Network:

806.0125 MHz	Mobile transmit; Repeater Receiver
851.0125 MHz	Repeater transmitter output (base); Mobile receivers

RACES Local Amateur Repeater:

146.880 MHz	RACES traffic during Emergency, if needed.

Other Frequencies of General Interest:

39.180 MHz	Florida CEFA Frequency - Statewide Use
26.620 MHz	Civil Air Patrol use
158.805 MHz	County wide Page Services

UPDATES - CORRECTIONS - BULLETINS - UPDATES

by: The Active Membership

From Scott, FL-033: Sunrise and Tamarac have banded together to stall Bell South's plans to install a 223 foot tower in the Sunrise Industrial Park, claiming it could interfer with signals on the cities' public safety radio channels. Tamarac and Sunrise have emergency 911 systems which operate on the same radio frequency - 800 MHz Systems - as the proposed Bell system. Officials fear feedback and intermod from the new Bell system tower.

Scott mentions that during a recent visit to Daytona Beach, the following channels were monitored and quite active: Volusia County Sheriff on 154.860 MHz; Daytona Beach Police were heard on 155.070 MHz and 154.785 MHz; FHP Daytona Beach dispatched on F2, 154.680 MHz; 155.790 MHz was used by Daytona Beach Shores PD and Ponce Inlet PD; and 155.940 MHz was heard being used by Daytona Beach PD and Shores PD dispatchers.

From Mark, VA-051: The Shennandoah National Park Rangers are heard on 166.900 MHz repeater in NW Virginia. Every morning at 8 AM, they give information about the Park in a general information broadcast.

Southeastern Repeater Assn.: Free Amateur Repeater Maps are available from Southwestern Virginia Wireless Association, Inc., Post Office Box 73, Roanoke, Virginia 24002. You must enclose a stamped, self-addressed envelope and indicate whether you want the map of NORTH CAROLINA AND/OR WEST VIRGINIA. No other states are available at this time - ONLY WV and NC. The 144-147 MHz system maps are detailed and well done!

From John, ??-???: The Atlanta AAA Towing frequenices are listed in his notebook as:

AAA Atlanta Motor Club	150.950 MHz	AAA Atlanta F2	150.920 MHz
Fulton A Tow Inc.	462.125 MHz	DeKalb County	150.890 MHz
Cobb County AAA	157.485 MHz	Roswell American	150.830 MHz
DeKalb North AAA	150.860 MHz	Atlanta Futos	157.500 MHz
Atlanta Robinson Stevens	157.470 MHz		

John notes that all of the above do police directed towing except for AAA. John also sent in a complete code sheet on the Gwinnett County Police, which will be printed when we do our next major article on Greater Atlanta.

Elli, FL-169: Responds to a survey by sending in these frequencies for the Stuart, FL area:

Stuart, FL:	462.975 MHz Ambulance Dispatch
463.150 MHz	MED 7 / 468.150 MHz Vehicle to MED 7 Hospital
460.400 MHz	Martin County Sheriff Dispatcher - Repeater System
460.475 MHz	City of Stuart, FL Police Dispatcher - Repeater System
460.500 MHz	Martin County Sheriff, TAC 3 code
460.450 MHz	Martin County Sheriff, Low Power Repeater System
154.010 MHz	Martin County Fire Department - Dispatcher
154.980 MHz	City of Stuart, Fire Department - Dispatcher

Elli states that she is hearing the Florida Highway Patrol, Turnpike System on 453.575 MHz and the Florida Turnpike Maint. System on 453.625 MHz.

From Mark, NY-???: A report that the Port Everglades Port Authority in Ft. Lauderdale is dispatching on 158.925 MHz!

From Ignatius of American Fire Services: We received a very nice profile on the Charleston WV Fire Department, which we have forwarded to the PROFILE EDITOR for his use! We have been most thankful to American Fire Services for their kind assistance with FD data!

From Ken, FL-025: Notice that Broward County FL now has five departments on 800 MHz! Ken says that in addition to Plantation, Deerfield Beach, Sunrise, Coconut Creek, we now can add the Margate Police Dept. to 800 MHz. Margate is now operating on 856.9375 MHz (F1) for dispatching, and F2 is 857.9375 MHz for information and car to car messages.

From Charles, NJ-179: A confirmed report on Fernandina Beach PD and Nassau County SO data. Fernandina Beach PD is using 154.725 MHz (primary) and 155.310 MHz (secondary). The Nassas County Sheriff's Office is using 155.640 MHz (primary) and 155.970 MHz (secondary). Both departments are using 155.370 MHz, the Florida Law Enforcement Intercity channel.

OOPS.... Quinton is 25 miles East of Richmond, VA. It doesn't show on my map, either.

PUBLIC SAFETY — NORTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details and questions as follows - Iowa, Kansas, Missouri, Nebraska, N. Dakota, South Dakota, and Minnesota:

Rudy Brockmueller, RR 2, Box 50, Freeman, SD 57029

SOUTH DAKOTA-

POLICE RADIO TOWER FALLS DURING WEEKEND STORM

When National Weather Service forecaster Dan Bloom said "It's going to be an incredible storm," he wasn't joking. The weekend thunderstorm that passed across South Dakota Sunday and Monday brought with it rain, snow and gusty 25 to 35 mile per hour winds in the Parker area, as well as most of the state. Snow piling up as much as 2 feet in some areas, closed roads, schools and most government offices.

Thunder and lightening, irregular in March, was a result of the cold front from the West, mixing with the warm air from the South. When the warm air was quickly cooled, the lightning and thunder occured.

An official recording of precipitation was not known. The rain, freezing with a cooler 25 degree temperature, glazed highways and roads in this area. Trees, covered with ice, began falling under the weight, knocking down power lines. Electricity was cut off in most of Turner and Hutchinson Counties as poles and lines were downed by the storm.

In Turner County, Parker was the only town with electricity Monday. Most farms in the county were also without electricity Monday and Tuesday. A farmer reported that his electricity might not be regained for a week.

The ice and wind caused considerable damage to trees. The State Police Radio tower located southwest of Parker toppled Monday morning around 7:10 a.m. Don Smith of the State Radio office said an exact time when the tower fell was not known. A call received around 7:20 a.m. informed the office that communication had ceased. Some communication had been regained by Monday afternoon. Smith also added that the southern counties covered by the Parker office will regain communication Tuesday night.

The tower, which ties communication between 12 counties, will cost approximately $100,000 to replace.

Don said that the tower appeared to have dropped straight down, putting a 4 x 5 foot hole in the roof of the trans-

mitter building located at the base of the tower.

The weight of the tower pushed a section of the tower straight into the floor of the building. Damages were to a desk and cabinets in the building. None of the transmitters were heavily damaged.

Smith said officials from Pierre will be coming to check the tower and will determine what procedures will be taken to replace it.

Temporarily, and possibly a permanent solution to the problem, will be the addition of a "repeater" on the stub of the tower now standing. The repeater would send radio waves to a tower transmitter at Turkey Ridge, and be sent out from there. The Turkey Ridge tower is owned by South Dakota Public Television. Smith said the radio headquarters in Parker will remain here.

-The New Era, March 7, 1985, used by permission.

The storm began as a light rain on Saturday, March 2, and concluded with heavy rain and snow on March 3 and 4. Our farm lost electrical power at 11:55 a.m. March 3 and regained it on March 11, at 5:00 p.m. These were eight miserable days!

As a result of the storm there have been some major changes in State Radio Communications for Southeastern South Dakota. When the tower fell it completely eliminated communication from the Parker office until a temporary transmitter and antenna system could be set up on the 40 foot stub still standing at the tower site.

Here is how the system presently works; Parker State Radio can now transmit on Channel 3 (Law, 39.32 MHz) from the tower site. Range is limited to 15-20 miles depending on terrain. Channel 4 (39.24 MHz) is down, except for Sioux Falls Four, which is still operating via microwave link (453.000/458.000). Channel 1 (Government, 39.10 MHz) is now activated by repeater from the Parker antenna stub. The Turkey Ridge antenna location is 7 miles south and 2 miles east of Freeman (just a little over a mile from our farm). The channel is called "Turkey Ridge Government" and is the only link that covers all 12 counties served by Parker State Radio.

The above arrangement is obviously only a temporary solution to a bad situation. The information I have received says that the antenna site lease expires this year. This gives the state the opportunity to look to other sites and alternatives. One suggested possibility is moving the entire communications office and system to Sioux Falls. That is not a new idea but has been rejected previously because of cost. The storm on March 3 and 4 again opened up that possibility.

Another possibility is keeping the office in Parker. The county commissioners have offered a room adjacent to the present communications office of 700 square feet to State Radio. That would nearly triple the available space compared to the present office. They now have a very small room! Also the commissioners offered land adjacent to the courthouse and communications office on which a free standing microwave tower could be placed. This plan would upgrade communications and give State Radio the room they desperately need.

Time will tell which alternative the Pierre office decides to use. The timetable I've heard is a completion date of about six months for either plan.

My file is now completely empty and unless I can get some information soon the July column will consist of a partial index of past newsletters for our area.

Randy (IA-042) has typed up some great info pertinant to the summer tornado season. Previously we've had information from this area in the following newsletters; Jan. 84, Dec. 83, Oct. 83, Sept. 83 and Feb. 83. Thank you Randy for your contribution.

IOWA-

1) LINN COUNTY CIVIL DEFENSE

freqs CD officers have been monitored on:

39.180 BM KRO468 "CIVIL DEFENSE"
154.430 BM KFA426 "COUNTY FIRE"
154.280 BM KFA426 Fire-aid
154.265 BA KFA426 This freq. is used for the Indoor Warning System for weather alert announcements that are made by the CD Director. There are 115 Plectron recievers located thru out the county in schools, hospitals, and nursing homes set to this freq.
453.925 RP CD has been assigned to this freq. but no traffic has of yet been heard.

users/radio identifiers on 39.180 "CIVIL DEFENSE":

a. CD officers: "57-1" CD Director
"57-2" CD Asst. Director
b. Linn County Sheriffs Dept. (base)
c. Rescue 57 (mobile)
d. St. Lukes Hospital (base)
e. Mercy Hospital (base)
f. KCRG-TV (base): "79" staff meteorologist
g. KGAN-TV (base): "78" staff meteorologist
h. WMT-RADIO (base): "78R" staff meteorologist
i. ? (base) "73" ?

During bad weather CD calls out storm watchers. These watchers are made up of volunteer fire dept. personel from surrounding communities. These watchers will be mostly heard on 154.430 "COUNTY FIRE". Although some of the following radio identifiers have already appeared in a piece-meal fashion in the newsletter I think it would be a good idea to repeat them. VFD identifiers consist of 3 digits. The first 2 digits indicate the community, the last one a specific unit. (e.g. 340 represents the chief of the Palo VFD).

LINN COUNTY VOLUNTEER FIRE DEPARTMENTS

12n Central City VFD
13n Alburnett VFD
14n Center Point VFD
16n Mechanicsville VFD
17n Cedar Terrace VFD
19n Coggon VFD
21n Mt. Vernon VFD
22n Monroe Township VFD
23n Prairieburg VFD
24n Springville VFD
28n Hiawatha VFD
29n Ely VFD
30n Walker VFD
31n West Bertram VFD
32n Troy Mills VFD
34n Palo VFD
35n Fairfax VFD
36n Robins VFD
40n Lisbon VFD
41n Martelle VFD
63n Atkins VFD

n = specific unit.

2) Duane Arnold Energy Center (DAEC) is a nuclear-powered plant located near Palo in Linn County. Its radio system allows direct radio communication with local police/fire/medical services. Here are the freqs I have heard DAEC on:

153.710 RP DAEC security/maintenance
155.145 BA Linn County Sheriffs primary
155.475 BA "MUTUAL-AID"
155.370 BA "POINT-TO-POINT". Radio tests are conducted here daily by the DAEC between 11:45PM-12:15AM variable. They call the Iowa State Police, Cedar Rapids Fire Dept., Linn County Sheriff Dept., and Benton County Sheriff Dept.

PUBLIC SAFETY — SOUTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas:

Ken Pehl, P.O. Box 5063, Austin TX 78763

Greetings. This is Ken. I have been very busy, and so this intro will be necessarily short. Last month we promised to have the cross index of the column shortly. The index is almost finished, but some last minute polish is still needed. Unfortunately, time is short and so it is not quite ready yet for prime time publishing. So please bear with us. For those of you who need an index immediately, send an SASE to the column address, requesting a copy of the index and an "as is" copy will be sent to you. So with that said, here is Richard for his intro message...

Hi, this is Richard. The only thing I have to say is if any of the readers are Radio Shack PRO-30 owners, I have a buyer beware message for them. My PRO-30 seems to have a rather regular failure of the plastic housing around the base of the BNC antenna connector. I have sent the unit in several times for replacement. I firmly believe the housing was not properly designed. If anyone else has this trouble with their unit, please drop me a line letting me know as I would like to gather a few statistics on this apparent design error. At the same time, also drop a line to Steve Kayworth, our Technical Topics editor for his information.

Before moving on to this month's mail, both of us would like to remind the So. Central-PS readers of the 3rd Annual Texas RCMA Convention to be held in Pasadena, TX on July 27, 1985 from 1 PM to 4:30 PM at the Pasadena Public Library. Send an SASE to Ed Lentz (TX-45), 609 Yorkshire, Pasadena, TX 77503 for further details. Plan now to attend.

From GARY (TX-94): Gary writes that he has been monitoring the Texas Forestry Service (TFS) rather heavily recently due to the high fire danger in his area. Gary has been able to confirm the radio systems in TFS Areas 2 & 3. Gary advises those frequencies that appear on the maps now all appear to be in service. Gary has provided a table of channels as he is able to make them out.

Channel 1/Repeater		Channel 2/Simplex	
Area 1 -	159.225 (151.160 input)	Area 1	159.300
Area 2 -	*159.360 (*151.190 input)	Area 2	*159.435
Area 3 -	*159.225 (*151.475 input)	Area 3	*159.405
Area 4 -	159.240 (151.160 input)	Area 4	*159.375
Area 5 -	*159.360 (151.190 input)	Area 5	*159.300

* - preceeding the frequency denotes confirmed within last month.

Channel 1 is used by the Area Office to mobiles, and by Area, District and County Foresters to talk to the fire plow crews. Fire dispatching is done on this channel as well as on channel 2. Weather summaries are given each day after 4PM.

Channel 2 is used by the Area Office to its District Offices, Area Office to Fire Patrol Aircraft, and by Mobiles to District or Area Offices. Fire Dispatching at any time. Weather summaries after 4PM.

Also noted recently are a number of non-state, non-TFS units using TFS ch 2. Most of these units are local area Fire Chiefs and County Fire Marshals. Private paper companies (such as International Paper, St Regis, and possibly Champions Paper) appear to also have units equipped with TFS Ch 2.

The fire patrol aircrafts seem to relay all information from the TFS to USFS and back. The same aircraft patrols for both services. The aircraft uses 168.750 to talk with the USFS. USFS on 168.750 ID's as "Federal". The aircraft uses the same callsign on both radio systems.

On the police scene: Henderson PD now has their main dispatching channel (Ch 2-155.550) repeaterized. Input is unknown. Smith County Sheriff's Office now has a channel 2, frequency unknown at this time, but very hot on the trail.

Houston County (Crockett) has a new county fire channel, 154.400, in service. So far it is used only simplex.

There is a new EMS helicopter service serving part of Northeast Texas. It is based at Schumpert Medical Center in Shreveport, Louisiana. The service will serve the northeast part of Texas, as well as Louisiana, of course. No specific information as far as frequencies are concerned; however, expect the usual array of synthesized equipment to be aboard, with 155.340, 154.950, as well as the UHF-MED channels, to be commonly used frequencies.

A big thanks to you, Gary, for that extensive report! I think that should fill in most everyone on the TFS. We certainly appreciate hearing from you!

From TERRY (TX-97): Terry submitted a list of frequencies as used by the City of Austin Electric Dept.

CITY OF AUSTIN - ELECTRIC DEPT RADIO SYSTEM

Ch 1	451.025	Main dispatch
Ch 2	451.250	Back-up dispatch; power production
Ch 3	451.175	Alternate dispatch; transmission & distribution div.
Ch 4	451.375	Underground; construction inspection div.
Ch 5	451.425	Substation maintenance; street lights; meter shop div.
Ch 6	451.075	Engineering; stores; admin. div.
Ch 7	451.125	Holman repeater; car-to-car ch.

Thanks for the information, Terry! This is most appreciated.

From BRAD (OH-138): Brad has sent a few more notes, as is his regular custom, on the metroplex area.

--Brad reminds us that the oddball situation of 157.110 (see Feb col.) is very similar to the situation in Dallas with 157.350, which is used by the TX Turnpike Authority for the Dallas North Tollway. This was covered back in the Jan 82 col. and the reason for this odd-ball situation occuring in the first place was explained then. (Ed. Note: Your editor simply had a memory fade out. Please forgive this momentary lapse. Brad is right, this has been covered before. This hopefully will not occur as frequently, once the back issues' index is completed.)

--The state TX Alcoholic Beverage Commission (TABC) agents in Ft Worth now have their repeater activated on 156.060.

--FW Fire Dept has been heard transmitting on 854.4375. This is a simulcast of 460.525. This means FWFD will be going to 800 MHz shortly.

--FW PD unit V-213 is a Medical Investigator (MI) unit. Brad is unsure if this is the city or county MI unit (Ed. note: It most probably is a county unit, Brad, since I believe state law only provides for a county medical examiner agency. I may be wrong, however.)

--Blue Mound FD channel 2 is 46.24.

--Apollo Ambulance Service (45.92) seems to handle the emergency calls for the Grand Prairie area, but the only thing heard on 45.92 is a morse code ID'er. (Ed. note: !? Try the UHF-MED channels, Brad.)

--DFW Medical Center (old name = Grand Prairie Community Hospital) dispatches on UHF-MED Ch 10, 460.975.

--Texas Christian University (TCU) PD Ch 2 'TCU-M' type units apparently are Harris College of Medicine mobiles on TCU level 2.

From DAVID (MD-104): Dave originates from the Lone Star State and while visiting the old home town, used the time to gather some information on his home town and immediate area. His report follows--

---Wood County Radio Systems---

Law Enforcement channels

Sheriff's Office --
154.785 R (155.970 in)-Main SO dispatch channel & (night) PD dispatch.
(Note: Mobiles also equipped for 155.550. See below.)

Police Dept's--
Quitman PD -- 155.550 S -- Main PD dispatch ch
Mineola PD -- 155.550 S -- Main dispatch ch]dispatches for Winnsboro
Hawkins PD -- 155.550 S -- " " "]& Hawkins PD's via own
Winnsboro PD--155.550 S -- " " "]dispatcher.
(Note: above PD's also equipped for 154.785.)

Notes: TX DPS THP units use 154.785 for their regular work, along with the Sheriff Dept. 154.785 is the common freq for the entire law enforcement agencies. After day work hours, Quitman, Mineola, Hawkins, and Abla PD's have no dispatcher of their own and are dispatched by Wood County SO.

Fire channels --
37.260 dispatching & fireground -- all VFD's in county. Shared with Winnsboro local govt.

Local Govt channels --
37.260 S Winnsboro local govt. ch.

Unit numbers (partial) --

100-599 Sheriff Dept
10-99 Quitman City
1200-1299 DPS
8307 TX P&W

Many, many thanks, Dave, for taking time out from your visiting time to research this new area for us, and for taking time to write us the results. Next time you are in the state, let us know. We hope to hear from you again.

And now let's take a look around at some of the other states in the region.

From a relatively recent member, BILL (TX-156): Bill wrote us in response to the March issue commenting on the lack of Okla. news. Bill has a mountain cabin in the S.E. portion of OK and writes to fill us in on the activity he hears when he visits his mountain hide-away.

Bill writes:"If one wishes to monitor the Sheriff's of nearly every "rural" Oklahoma County, you need just two frequencies, 155.490 and 155.670, and not much will escape you. If there is severe weather forecast, underway, or damage known, check 154.540 (that is a not a typo), which is an unofficial Civil Defense frequency used by many private individuals. Many of these people also have 155.490 in their vehicle. This, too, refers to "rural" Oklahoma.

"Several amateur repeaters in extreme Western Arkansas cover information of interest to S.E. OK during times of severe weather. They are 146.94, 146.64, both in the Ft Smith, Ark. area. To the south of Fort Smith, operating atop Rich Mtn on an old Forest Service fire watch tower, (west of Mena on the Arkansas/Oklahoma border) is the 146.790 repeater, offering excellent coverage, as well. This machine has the capability of re-transmitting the NOAA/NWS 162.400 weather from Fort Smith, during severe weather.

"The Oklahoma Highway Patrol 44.70 base, with 44.90 mobile, combination has a mobile relay on 159.210, so listen to 44.70/159.210 for both sides of a conversation.

"By the way, the 159.210 frequency is interesting, since it may also be paired with the Texas DPS bases on 155.460. You can hear a great deal of OK and TX highway patrol activity by having 44.70, 159.210, 155.460, 155.445 and 159.090 programmed in.

"For wildlife buffs, 44.64 and 44.84 are used by the Oklahoma Game Wardens, as is 155.250, but they can more often be heard on the Oklahoma Highway Patrol frequencies, 44.70/44.90. (You'll hear these same units as "W" units on OHP.) Game Officers may also use 155.490 for contact with Sheriff's units. 155.250 I do not believe has much use yet, as I have yet to hear many transmissions on that frequency. There are other conservation frequencies listed but I have yet to hear any of them active.

"Parks and Forestry frequencies active in southeastern OK are 156.015 (Park Rangers statewide), 159.255 (Oklahoma Forestry) and 169.175 (Ouachita National Forest). There are, I'm fairly certain, several other frequencies in the 159.xxx range which are used. The Ouachita National Forest is in SE Oklahoma and extreme Western Arkansas.

"Arkansas Wildlife Officers are often heard in S.E. Okla. on 151.385 (repeater output). These are all good channels to listen to for up-to-date fishing and hunting conditions.

"So as you can see, you don't need a fancy radio to hear interesting traffic in rural OK. Believe me, it is a different listening experience to that in the metro areas of Texas!"

Thanks ever so much, Bill, for that extensive report on the state of Oklahoma and portions of Arkansas. This represents some rather new territory to us and is a welcomed relief to the lack of input on that area. We hope to be hearing more from you in the future. Write again soon! By the way, for those of you who may be interested, Bill is a ham radio operator, callsign--W5USM.

ALABAMA STATE TROOPERS RADIO CHANNELS

(Ed. note: The source for this info wishes to remain anonymous)

Alabama State Trooper units recently obtained some 8 channel and 12 channel radios. Listed below are the channelization and frequencies of the mobile unit's radio.

Ch #	TX	RX	Service
Ch 1	159.030	158.790	AST primary dispatch ch (non-rptr duplex)
Ch 2	155.445	154.920	AST primary dispatch ch (" " ")
Ch 3	155.010	155.010	State-wide mutual aid (simplex)
Ch 4	155.475	155.475	NLEEC / Car-to-car ch. (national c/c) (simplex)
Ch 5	158.790	158.790	Car-to-car & Tac (simplex)

Ch 6 154.920 154.920 Car-to-car & Tac (simplex)
Ch 7 155.445 155.475 (old radio set up) (duplex)
Ch 9 154.770 154.770 Ala. ABC statewide dispatch (simplex)
Ch 10--Ch 12 Reserved for future use.

Note: These are GE brand radios with scanning type control heads.)

Also change the following Alabama 10-code listed in the 3/82 RCMA col. 10-67 = change from "prowler report" to "patrol report".

Our wholehearted show of appreciation goes to this anonymous source for this very interesting information. It shows a lot of in-depth research went into this report. Thank you, ever so much!

From DAVID (LA-31): Our "Louisiana" Dave writes in to report a new Volunteer Fire Dept. has been started in Washington Parish. It is called Chatou VFD and serves the Plainview/Isabel area. They will use the freq 46.06 for dispatch and fireground.

Dave also states the Washington Parish Civil Defense recently moved their Emergency Operations Center (EOC) to the Police Jury Building.

Several of the Sheriff Dept units have the new Wilson programmable type synthesized radios. They have been observed using the radios on other nearby agencies' channels for coordination.

Thanks, Dave, for the update. As always, it is appreciated.

From JEFF (AR-10): Jeff sent this list of Central Arkansas frequencies...

CENTRAL ARKANSAS RADIO LISTINGS
BY JEFF (AR 10)

LOCATION	FREQ	AGENCY
?	154.040	? WATER DEPT
CENTRAL ARK	147.360	HAMS
CENTRAL ARK	151.070	ARK ROAD DEPT
CENTRAL ARK	146.88	HAMS
CENTRAL ARK	147.18	HAMS
CLARK CO	37.04	CLARK CO SD
CLARKSVILLE	44.74	ARK STATE POLICE
CONWAY	44.74	ARK STATE POLICE
FT SMITH	44.66	ARK STATE POLICE
GARLAND	154.845	GARLAND CO SD
HOT SPRINGS	44.74	ARK STATE POLICE
HOT SPRINGS	155.415	HOT SPRINGS PD
HOT SPRINGS CO	37.30	HOT SPRINGS SD
LITTLE ROCK/HOPE	44.62	ARK STATE POLICE
MALVERN	37.34	MALVERN PD
MENA	37.12	MENA PD
MT IDA	155.590	MT IDA PD
MT IDA	37.28	MT IDA PD
NW ARK	151.085	ARK ROAD DEPT
PIKE CO	37.32	PIKE CO SD
SALAINE CO	37.36	SALAINE CO SD
STATEWIDE	155.340	HOSP/AMB
STATEWIDE	37.24	ALL AGENCIES
STATEWIDE	155.205	AMBULANCE/HOSP
STATEWIDE ?	153.410	ARK-LA GAS CO
STATEWIDE ?	151.055	ARK ROAD DEPT'S
STATEWIDE ?	154.340	ALL FIRE DEPT'S ?
VILLAGE	153.860	VILLAGE PD
WARREN	44.74	ARK STATE POLICE
WEST ARK	151.100	ARK ROAD DEPT
YELL CO	37.08	YELL CO SD

Thank you, Jeff, for this fine list. We sure appreciate your input to the column.

And now it is time to say, so long for this month. See you next month!

PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

Jack Waterman, 466 Kings Way, Mundelein, IL 60060

Hello! Welcome to Public Safety/Great Lakes for June, 1985. The Column's a little late getting into the mail this month, and I don't want to short-change you on data, so I'm not going to devote the usual two paragrahs or so to chatter. You're probably just as glad, right?

I can't pass up the opportunity to mention, briefly, the major fire Mundelein Fire Department fought on Good Friday, though. A fifty-unit, two-story apartment building. Flames were through the roof when the first-due engine arrived less than three minutes after receipt of the first call at 4:15 am! We worked from 4:15 to well after 3:00 that afternoon. The only injury occurred when the company lieutenant crawling up the stairs right in front of me disappeared! He fell through the stairs [they collapsed] into the cellar. Through the smoke and my SCBA it looked like he just vanished!! Fortunately, he wasn't hurt seriously. The biggest job anyone on MFD can remember: third alarm with mutual aid from 15 surrounding towns! Enough bragging - on with the show.

--

Here, for the second time, is the description of South Cook County Fire District #1, provided by **Jeff** [IL-064]. It's a good thing **Jeff** is patient, as he submitted the material in October, it first ran in March, and the March column was lost...

South Cook County Fire District #1

Radio System

Dispatch	**154.430**
Mutual Aid	**154.280**
NIFERN	**154.265** [NIFERN users identified with an asterisk]

Numeric Identifiers

Bedford Park*	7100 series
Bridgeview*	4100 series
Burbank*	2100/2200 series
Central Stickney FPD	9100 series
Chicago Ridge	1100 series
Evergreen Park*	3400/3500 series
command repeater:	**154.430** out/**154.160** in
F-3:	**154.160** simplex
Hometown	4700 series
command repeater:	**154.430** out/**154.160** in
F-3:	**154.160** simplex
Justice	5100 series
North Palos FPD*	8100 series
Oak Lawn*	100 series
Roberts Park FPD*	3100/3200 series
Summit	9500 series
Willow Springs	6100 series
Worth	5000 series

Jeff also provides the following details on a related area system:

The municipalities within the first fire district having Emergency Services and Disaster Agencies (ESDA) have put together a uniform radio identifier system.

Frequency: **155.025** [ESMARN]

Numeric Identifiers:

Bridgeview	4100 series
Burbank	2500 series
Chicago Ridge	1200 series
Hometown	4800 series
Justice	5200 series
Palos Hills	8200 series

Final Digits Breakdown:

Mayor	00
Director	01
Assistant Director	02
Operations Officer	03

The balance of the numbers are to be asigned by the Director. These numbers went into effect on January 1, 1985. During a disaster or severe weather, Burbank will activate its emergency operations center (EOC) and will assume all communications for the district.

Thank you, **Jeff**, for your contribution to PS/GL. Sorry it went astray the first time around.

--

ILLINOIS UPDATES One of my favorite correspondents, and one of my best sources of information, is **Denny** [IL-026], our Federal Editor. As promised at the close of April's column, here's a list of changes, modifications, and new licenses for Illinois. It covers the period of late 1983 through August, 1984. **Denny** extracted the data from "F.C.C. Weekly Updates," and kindly offered me the use of his extensive research efforts for the column. Actually, I'm only running half of **Denny**'s contribution this month, as it comprises four pages in column-ready seven inch format. You'll find the print-out nearby, where **Carol** could best fit it in; the second half will run next month. Thanks, **Denny**, for your ongoing support.

LICENSEE	SERV	FREQUENCY	B/M/R/OTHER	CITY	REMARKS
AKIN WATER DISTRICT	PL	155.8200	1/5	AKIN	
ALTON COMM. SCHOOL DIST. #11	PS	155.1750	1/10	ALTON	
ARTHUR, VILLAGE OF	PL	154.0850	1/20	ARTHUR	
ASHMORE FIRE PROT. DIST.	PF	154.2350	1/10	ASHMORE	
AVON TOWNSHIP	PH	156.1800	2/10	ROUND LAKE PARK	
BARRINGTON PARK DISTRICT	PO	151.2050	1/12	BARRINGTON	
BARRINGTON TOWNSHIP	PH	151.1300	/4	BARRINGTON	
BARRINGTON, VILLAGE OF	PF	153.8900	1/27	BARRINGTON	
BARRINGTON, VILLAGE OF	PF	154.4000	/21	BARRINGTON	
BARRINGTON, VILLAGE OF	PF	154.4300	/27	BARRINGTON	
BATAVIA PARK DISTRICT	PO	151.1600	1/10	BATAVIA	
BELLMONT, VILLAGE OF	PL	155.9400	1/10	BELLMONT	
BERKELEY VILLAGE PUB. WORKS	PL	155.8050	1/12	BERKELEY	
BLANDINSVILLE POLICE DEPT.	PO	159.3300	1/6	BLANDINSVILLE	
BLOOM TOWNSHIP	PH	156.1800	1/8	CHICAGO HEIGHTS	FREQ. CHANGED
BOWLING TWP. HWY. DEPT.	PH	151.0400	1/5	MILLEN	
BRAIDWOOD POLICE DEPT.	PP	045.1800	1/	BRAIDWOOD	
BRAIDWOOD POLICE DEPT.	PP	045.2200	1/6	BRAIDWOOD	
BROOKFIELD, VILLAGE OF	PL	045.5600	1/3	BROOKFIELD	
BROWN COUNTY HIGHWAYS	PH	156.2250	1/8	MT. STERLING	
BYRON UNIT SCHOOL DIST. #226	PS	155.2050	1/15	BYRON	
CARBONDALE CITY E.S.D.A.	PL	045.3600	2/	CARBONDALE	
CARBONDALE CITY E.S.D.A.	PL	045.5600	2/3	CARBONDALE	
CARLYLE E.S.D.A.	PL	155.0250	1/20	CARLYLE	
CASEYVILLE, VILLAGE OF	PL	155.1450	1/20	CASEYVILLE	
CHAMPAIGN CNTY. E.S.D.A.	PL	045.5600	1/	URBANA	
CHICAGO PARK DISTRICT	PO	045.9200	1/	CHICAGO	
CHICAGO PARK DISTRICT	PO	151.1900	1FB3	CHICAGO	
CHICAGO PARK DISTRICT	PO	159.3600	/ /1C	CHICAGO	
CHICAGO PARK DISTRICT	PO	159.4050	/ /1C	CHICAGO	
CLARK CNTY. SOIL & WATER CON	PO	151.3100	1/5	MARTINSVILLE	
CLARK COUNTY	PH	151.1150	1/32	MARSHALL	
CLINTON COUNTY	PP	154.8750	1FB2	CARLYLE	
CLINTON COUNTY	PP	154.8900	/40	CARLYLE	
CLINTON COUNTY	PP	155.1300	1/40	CARLYLE	
CLINTON COUNTY	PP	155.6100	/40	CARLYLE	
CLINTON COUNTY E.S.D.A.	PL	155.0250	1/30	CARLYLE	
COMM. UNIT SCHOOL DIST. #100	PS	155.2950	3/40	BELVIDERE	
COOK CNTY. DEPT. OF HWYS.	PH	453.7500	2FB2	CHICAGO	
COOK CNTY. DEPT. OF HWYS.	PH	453.9500	3FB2	CHICAGO	(165 MOBILES ON 458.9500)
COOK COUNTY STATE'S ATTY.	PL	155.9850	/5	CHICAGO	2650 S. CALIFORNIA - 13TH FLR.
COOK, COUNTY OF	PP	155.5950	1/	BEDFORD PARK	
COOK, COUNTY OF	PP	155.6400	1/	BEDRFORD PARK	
COOKS MILLS FIRE PROT.	PF	154.4300	1/20	HUMBOLDT	
DANA FIRE PROT. DIST.	PF	154.1900	6/6	DANA	

DANA FIRE PROT. DIST.	PF	154.4450	6/6	DANA	
DANVILLE DIST. #118 SCHOOLS	PS	155.1750	1/60	DANVILLE	
DIXON COMM. FIRE PROT. DIST.	PF	151.1900	1/16		REINST.
DOLTON PARK DISTRICT	PO	151.2950	2/15	DOLTON	
DRURY TOWNSHIP	PL	158.8050	1/5	ILLINOIS CITY	
DU PAGE, INC.	PH	159.1950	1/10	LEMONT	
EDWARDSVILLE POLICE DEPT.	PP	154.8600	1/17	EDWARDSVILLE	
EDWARDSVILLE POLICE DEPT.	PP	453.8500	/15	EDWARDSVILLE	
EDWARDSVILLE POLICE DEPT.	PP	453.9750	1/25	EDWARDSVILLE	(25 MOBILES ALSO ON 458.9750)
EDWARDSVILLE POLICE DEPT.	PP	453.9750	1/	EDWARDSVILLE	
EFFINGHAM CITY POLICE DEPT.	PP	154.8600	1/30	EFFINGHAM	
ELDON STEARNS WATER & SEWER	PL	153.8150	2/10	SOUTH ROXANA	
ELGIN SANITARY DISTRICT	PL	045.2800	1/12	ELGIN	
ELKVILLE FIRE DEPT.	PF	154.0700	20/20	ELKVILLE	
ENFIELD FIRE PROT. DIST.	PF	154.4300	1/5	ENFIELD	
ESWOOD COMM. CON. DIST. #269	PS	155.1750	1/4	LINDENWOOD	
FAIRBURY POLICE DEPT.	PP	154.7550	1/6	FAIRBURY	
FORRESTVILLE VALLEY SCHOOLS	PS	155.2200	1/14	FORRESTON	
FORT RUSSELL TOWNSHIP	PH	037.9400	1/8	BETHALTO	
FOSTER TWP. HWY. DEPT.	PH	151.0250	1/8	ALTON	
FRIENDS CREEK TOWNSHIP	PH	159.1950	2/17	ARGENTA	
GENESEO, CITY OF	PL	155.8800	1/	GENESEO	
GENOA KINGSTON FIRE PROT.	PF	154.0700	1/15	GENOA	
GENOA KINGSTON FIRE PROT.	PF	154.2650	1/15	GENOA	
GIRARD, CITY OF	PL	153.9350	1/15	GIRARD	
GRUNDY CNTY. SHERIFF'S DEPT.	PP	155.6850	/40	MORRIS	
HAMILTON CNTY. SHERIFF	PP	155.7000	1/15	MC LEANSBORO	
HAZELCREST PARK DISTRICT	PO	151.3850	1/10	HAZELCREST	
HUDSON, VILLAGE OF	PL	155.1000	1/6	HUDSON	
HUMBOLDT TWP. ROAD DIST.	PH	151.0250	1/12	HUMBOLDT	
HUNTLEY PUBLIC WORKS	PL	046.5800	1/7	HUNTLEY	
ILLINOIS DEPT. OF TRANS.	PH	047.1400	1/	PONTIAC	(ALSO TX AT COMPTON)
ILLINOIS DEPT. OF TRANS.	PH	047.3800	1/	PONTIAC	(ALSO TX AT COMPTON)
ILLINOIS DEPT. OF TRANS.	PH	453.7000	3FB2	CHICAGO	TX ALSO PLATO TWP & HILLSIDE
ILLINOIS, STATE OF	PP	037.2200	1/	ST. CHARLES	
ILLINOIS, STATE OF	PP	037.3600	2/	CAVE IN ROCK	(TX ALSO AT BROWNFIELD)
ILLINOIS, STATE OF	PP	037.3600	1/	ST. CHARLES	
ILLINOIS, STATE OF	PP	037.3600	2/	CAVE IN ROCK	(TX ALSO AT BROWNFIELD)
ILLINOIS, STATE OF	PP	154.9050	1/	ROCKFORD	
ILLINOIS, STATE OF	PP	154.9200	1/	BOLINGBROOK	
ILLINOIS, STATE OF	PP	155.2500	1/11	DE KALB	
ILLINOIS, STATE OF	PL	453.2250	/30/1FB2	EAST PEORIA	(20 MOBILES ALSO ON 458.2250)
ILLINOIS, STATE OF	PL	453.6000	1/	CHAMPAIGN	
ILLINOIS, STATE OF	PL	453.7750	1/35	MENARD	
ITASCA VOL. FIRE DEPT.	PF	154.1750	1/6	ITASCA	
ITASCA VOL. FIRE DEPT.	PF	154.3100	1/6	ITASCA	
JASPER COUNTY	PP	155.4300	1/34/1FB2	NEWTON	
JERSEYVILLE, CITY OF	PL	155.7750	1/11	JERSEYVILLE	
JOHN A. LOGAN JR. COLLEGE	PP	154.8450	2/7	CARTERVILLE	
KEWANEE E.S.D.A.	PL	155.8650	1/5	KEWANEE	
KEWANEE E.S.D.A.	PL	155.8800	1/5	KEWANEE	
KINGS CONSOL. SCH. DIST. 144	PS	155.1750	1/4	KINGS	
LAKE COUNTY	PP	158.9700	1C	LIBERTYVILLE	(TX: BARRINGTON)
LAKE COUNTY	PP	158.9700	1FX1	WAUCONDA	
LAKE VILLA HIGHWAY DEPT.	PH	159.1200	1/20	LAKE VILLA	FREQ. CHANGE

WISCONSIN WRAP UP I received a couple of letters from **Ernie** [WI-024] recently, providing confirmation and extensions to the material regularly submitted by my "Wisconsin Regulars." As **Ernie** hasn't appeared in our pages before, at least not during my tenure as editor, I want to pass along at least part of his helpful contribution. When I mentioned relatives in Fort Atkinson, **Ernie** wrote right back with lots of confirmed freqs for that local area.

Jefferson County

Sheriff			
F-1	154.860	158.910	Sheriff Base [apparently repeater is not often used]
F-2	154.860		Car to car
F-3	155.145		Municipal freq
F-4	155.475		WISPERN
	453.700	458.700	Watertown Police

Fire			
	39.90		Fort Atkinson [also used by the Fort's DPW]
	46.12		Most of Jefferson County fire departments
	154.235		Watertown
Highway			
	156.240	158.935	County highway dept repeater
Miscellaneous			
	45.28		Jefferson County Emergency Communications - a radio club that assists the Sheriff and local police depts in emergencies. Active during severe weather alerts in summer looking for tornados, etc. Also serve as crowd control during fires (some rural), and local events such as Fort Fest and county fair.

Waukesha County

Police			
F-1	158.790	155.850	Dispatch [repeater]
F-2	158.790		Simplex car to car
F-3	158.730		Special Tactical
F-8	154.100		DPW
F-?	155.730		Brookfield Police
	155.310		New Berlin
		156.030	West Allis mobile
	155.130		Sheriff
Fire			
F-1	159.120	154.010	Dispatch [repeater]
F-2	159.120		Simplex
F-3	154.070		Fireground

Ernie included some additional details which, unfortunately, I haven't time to include this month; however, I'll use the data during visits to my Uncle's house in Fort and on my regular summer drive to Lake Itasca Minnesota. Thanks, **Ernie**, for your contributions.

--

MONROE COUNTY, MICHIGAN The first column contribution I received in 1985 came from **Gene** [MI-129], who sent the following detailed review:

Out	In	Notes
154.430		Monroe County Fire Net primary
154.355		Monroe County Fire Net secondary
37.12		Monroe County Sheriff dispatch
460.175	465.175	Monroe County Sheriff portables [repeater]
464.150	465.150	Monroe City Police
42.58		MSP base: Post 25/Flat Rock and Post 28/Erie
42.74		MSP car: Post 25 and Post 28
37.98		Monroe County Road Commission
158.955		Monroe County Civil Defense
155.880		City of Monroe
155.235		EMTS Ambulance Service
462.975	468.975	Monroe County Ambulance Dispatch [MED-10]
463.025	468.025	Mercy Memorial Hospital [MED-2]
463.0050	468.050	Mercy Memorial Hospital [MED-3]
467.950		Life-Flight Air Ambulance from Toledo
155.160		Survival Flight Air Ambulance from Ann Arbor
155.340		Survival Flight Air Ambulance
453.900	458.900	Lucas County, OH roads
150.995		Toledo, OH streets
453.950	458.950	Wayne County Road Commission
47.22		Ohio Dept of Transportation
151.040		Michigan Highway Dept

151.085 Michigan Highway Dept
151.115 Michigan Highway Dept

Thanks, **Gene**, for sharing your confirmed freqs with us. Although I know I've said it before, it's readers' contributions which keep the Newsletter going and as sucessful as it is.

--

CENTRAL OHIO Another repeat contributor is **Dave** [OH-127]. This month he's provided a rather lengthy report on "CORES." Here's his input:

This presentation deals with the numbering system established by the Central Ohio Regional Emergency Services, or C.O.R.E.S., which was formed in March, 1974 and consisted originally of 17 member municipalities within the Columbus, OH area. Membership is primarily by participation. It is a Chiefs' organization and deals with establishing procedural matters for participating communities.

The numbering system was devised to help eliminmate confusion on fire/rescue runs where multiple departments may be involved. In the area there are many mutual aid agreements among departments as well as several automatic response agreements. The Columbus Fire Division occupies the number system from 1 to 49.

Please refer to the February, 1984 Newsletter for exact station assignments and an overview of the Columbus Fire Department. The article appeared as a "Communications Profile."

The listing is formatted this way:
1. Municipality and C.O.R.E.S. station number
2. Station address
3. FCC call sign(s); primary dispatch and primary mutual aid
4. Alerting system(s) and tone(s)
5. Station equipment assignments(s)

Grandview Heights - Station 51
1016 Grandview Ave, Columbus
KDQ-270 **153.980**
Plectron: 701-992 & 701-1082
Engines 51, 52 Medic 51

Clinton Township - Station 61
3820 Cleveland Ave, Columbus
KQK-542 **33.96 & 33.86**
Plectron: 294.7 & 321.4
Engine 61, Squad 61

Clinton Township - Station 62
999 Chambers Road, Columbus
KQK-542 **33.96 & 33.86**
Plectron: 321.4
Engine 62

Upper Arlington - Station 71
2095 Arlington Ave, Upper Arlington
KQJ-524 **460.575**
Engine 71, Medic 71

Upper Arlington - Station 72
3861 Reed Road, Upper Arlington
KQJ-524 **460.575**
Ladder 72, Medic 72

Upper Arlington - Station 73
4737 Coach Road, Upper Arlington
KQJ-524 **460.575**
Engine 73, Medic 73

Norwich Township - Station 81
Franklin County Fairgrounds, Hilliard
KJP-275 **33.80 & 33.86**
Plectron: 1082, 732, 672, 871
Engines 81, 85, 87; Aerial Tower 86; Medic 81; Squads 81, 82

Washington Township - Station 91
6255 Shier-Rings Road, Dublin
KQJ-943 **33.80 & 33.86**
Plectron: ?
Engines 91, 93; Medic 91

Perry Township - Station 92
7125 Sawmill Road, Dublin
KQJ-943 **33.80 & 33.86**
Plectron: ?
Engine 92, Medic 92

Sharon Twonship - Station 101
805 North High Street, Worthington
KQK-535 **33.76 & 33.86**

Plectron: 1669, 2164, 2361
Engines 101, 102; Aerial Tower 101; Medics 101, 102

Westerville - Station 111
29 South State Street, Westerville
WYZ-489, KCL-758, KJU-965 **154.160, 33.86, 155.040**
Plectron: ?
Engines 111, 113, 114; Aerial Tower 111; Medic 111

Westerville - Station 112
6350 Hempstead Road, Westerville
WYZ-489, KCL-758, KJU-965 **154.160, 33.86, 155.040**
Plectron: ?
Engine 112, Medic 112

Plain Township - Station 121
45 Second Street, New Albany
KNCD-873 **33.92 & 33.86**
Plectron: 1598-1287
Engines 121, 122; Squad 121; Medic 121; Tanker 121; Heavy Rescue 121

Mifflin Township - Station 131
133 Mill Street, Gahanna
KTG-508 **33.52 & 33.86**
Engines 131, 133; Ladder 131; Heavy Rescue 131; Medic 131

Mifflin Township - Station 132
2459 Agler Road, Columbus
KTG-508 **33.52 & 33.86**
Engines 132, 134; Squad 132

Whitehall - Station 150
390 South Yearling Road, Whitehall
KCI-512 **33.92 & 33.86**
Plectron: 2164-1082, 2164-1180, 2164-910, 2164-992
Engines 151, 152; Aerial Tower 151; Medic 151; Rescue 151

Truro Township - Station 161
6900 East Main Street, Reynoldsburg
KCN-341 **33.92 & 33.86**
Plectron: ?
Engines 161, 164, 165; Aerial Tower 161; Medic 161; Rescue 161

Truro Township - Station 162
3015 Brice Road, Brice
KCN-341 **33.92 & 33.86**
Plectron: ?
Engine 162, Squad 162

Hamilton Township - Station 170
1460 Obetz Road, Columbus
KBP-769 **33.90 & 33.86**
Plectron: ?
Engines 174, 175, 176; Rescue 173; Squad 170

Well, that's half the listing, faithful readers. Unfortunately, I don't have time left to key in the second half. But you can look on the bright side and see that you'll get the same amount of useful data on C.O.R.E.S. next month. Thanks, **Dave**, for taking the time to put this article together; I'll include your update on Columbus FD next month.

--

Kentucky Last, but far from least, is the next installment of **Paul**'s Greater Louisville frequencies listings. This month we feature the POLICE SERVICE. Remember to refer to the right-most column, where **Paul** has indicated whether the particular listing is personally confirmed. The copy of **Paul**'s printout is nearby, where **Carol** can best fit it in. Come back next month for LOCAL GOVERNMENT listings. Thanks again, **Paul**.

(5) SEQ	(1) FREQ	(2) SERVICE	(3) AGENCY NAME	(4) CITY	5 ST	(6) CALLSIGN	(7) COMMENTS	8 CF
0003	37.130	POLICE	LOUISVILLE POLICE	LOUISVILLE	KY		INTELLIGENCE	YS
0005	42.120	POLICE	IND STATE POLICE	STATEWIDE	IN	KSA 568	F3 CAR TO CAR	YS
0006	42.160	POLICE	IND STATE POLICE	STATEWIDE	IN	KSA 568	F4 TAC FREQ	YS
0007	42.260	POLICE	IND STATE POLICE	STATEWIDE	IN	KSA 568	F1 CAR TO BASE	YS
0008	42.400	POLICE	IND STATE POLICE	STATEWIDE	IN	KSA 568	F2 MOBILE BACK-UP	YS
0009	42.420	POLICE	IND STATE POLICE	STATEWIDE	IN	KSA 568	F1 BASE TO CAR	YS
0010	44.620	POLICE	DOT-KENTUCKY	STATEWIDE	KY	KWV 752	VEH ENF. BASE FREQ	YS
0011	44.780	POLICE	DOT-KENTUCKY	STATEWIDE	KY	KWV 752	VEH ENF. MOBILE FREQ	YS
0013	45.320	POLICE	CITY OF LOUISVILLE	LOUISVILLE	KY	KCV 410	HOUSING AUTH POLICE	
0015	45.860	POLICE	LOUISVILLE POLICE	LOUISVILLE	KY	KWO 624		YS
0091	154.650	POLICE	SHIVELY POLICE DEPT	SHIVELY	KY	KIR 345	FREQ 2	
0092	154.725	POLICE	IUS CAMPUS POLICE	NEW ALBANY	IN	WXQ 978R		YS
0093	154.740	POLICE	JEFFERSON CO POLICE	LOUISVILLE	KY	KCV 370	CHANNEL 1	YS
0094	154.800	POLICE	FLOYD CO POLICE DEPT	NEW ALBANY	IN	WQW 521		YS
0095	154.830	POLICE	JEFFERSON CO POLICE	LOUISVILLE	KY	KF9 704	CHANNEL 4	
0096	154.860	POLICE	JEFFERSON CO POLICE	LOUISVILLE	KY	KCV 370	CHANNEL 2	YS
0097	154.890	POLICE	SHERIFF MOBILE	STATEWIDE	IN		MOST SHERIFF DEPT'S	YS

(0) SEQ	(1) FREQ	(2) SERVICE	(3) AGENCY NAME	(4) CITY	5 ST	(6) CALLSIGN	(7) COMMENTS	8 CF
0099	155.010	POLICE	NEW ALBANY POLICE	NEW ALBANY	IN	KXH 774		YS
0100	155.010	POLICE	PALMYRA MARSHALL	PALMYRA	IN	KXX 385		YS
0102	155.070	POLICE	JEFFERSON CO POLICE	LOUISVILLE	KY	KCV 370	COMMAND CHANNEL	YS
0103	155.100	POLICE	ANCHORAGE POLICE	ANCHORAGE	KY	KDS 650		
0104	155.130	POLICE	BULLITT CO POLICE	SHEPHERDSVILLE	KY	KIW 798		YS
0105	155.130	POLICE	SHERIFF BASE	STATEWIDE	IN		MOST SHERIFF DEPT'S	YS
0108	155.190	POLICE	ST REGIS PARK POLICE	ST REGIS PARK	KY	KZF 838		YS
0116	155.310	POLICE	JEFFERSONVLLE POLICE	JEFFERSONVILLE	IN	KSB 270	MAIN CHANNEL	YS
0119	155.370	POLICE	INTER-STATION	STATEWIDE	IN		USED STATEWIDE	YS
0122	155.430	POLICE	JEFFERSONVLLE POLICE	JEFFERSONVILLE	IN	KSB 270	DETECTIVE	YS
0123	155.445	POLICE	IND STATE POLICE	STATEWIDE	IN	KSA 568	REPEATER FREQ	YS
0124	155.475	POLICE	ILEAN	STATEWIDE	IN		EMERG PURSUIT CHAN	YS
0125	155.580	POLICE	JEFFERSON CO POLICE	LOUISVILLE	KY	KCV 370	CHANNEL 3	YS
0126	155.610	POLICE	AUDUBON PARK POLICE	AUDUBON PARK	KY	KVN 499	BASE CHANNEL	YS
0127	155.655	POLICE	SHIVELY POLICE DEPT	SHIVELY	KY	KIR 345	BASE CHANNEL	YS
0128	155.700	POLICE	MULDRAUGH POLICE	MULDRAUGH	KY			
0129	155.700	POLICE	WEST POINT POLICE	WEST POINT	KY	KEV 472		YS
0130	155.730	POLICE	OLDHAM CO POLICE	LAGRANGE	KY	KRM 689		YS
0134	155.850	POLICE	AUDUBON PARK POLICE	AUDUBON PARK	KY	KVN 499	CAR TO BASE	YS
0147	159.030	POLICE	SHEPHERDSVLLE POLICE	SHEPHERDSVILLE	KY			
0151	159.435	POLICE	STATE CONSERVATION	STATEWIDE	IN	KXK 375	F3 CAR TO CAR	
0230	453.100	POLICE	UNIV OF LOUISVILLE	LOUISVILLE	KY		CAMPUS POLICE	
0231	453.100	POLICE	UNIV OF KENTUCKY	LEXINGTON	KY		CAMPUS POLICE	
0233	453.150	POLICE	CLARKSVILLE POLICE	CLARKSVILLE	IN	KNB 405	CHANNEL 1	YS
0234	453.200	POLICE	UNIV OF LOUISVILLE	LOUISVILLE	KY		CAMPUS POLICE	
0236	453.300	POLICE	KY STATE POLICE	STATEWIDE	KY	KCS 431	CAR-CAR (GOVERNOR)	YS
0239	453.450	POLICE	KY STATE POLICE	LAGRANGE	KY	KDA 697	POST 3,5,7,9	YS
0241	453.550	POLICE	KY STATE POLICE	STATEWIDE	KY	KDD 609	POST 2,12,13,14	YS
0243	453.600	POLICE	KY STATE POLICE	STATEWIDE	KY	KCS 430	POST 6, 10,15,16	YS
0244	453.675	POLICE	DOUGLAS HILLS POLICE	DOUGLASS HILLS	KY			
0245	453.675	POLICE	INDIAN HILLS POLICE	INDIAN HILLS	KY			
0246	453.675	POLICE	JEFFERSON CO SHERIFF	LOUISVILLE	KY	KXZ 455		YS
0247	453.675	POLICE	W. BUECHEL POLICE	WEST BUECHEL	KY			
0248	453.750	POLICE	CLARKSVILLE POLICE	CLARKSVILLE	IN	KNB 405	CHANNEL 2	YS
0250	453.850	POLICE	KY STATE POLICE	STATEWIDE	KY	KSQ 781	POST 1,4,8,11	YS
0261	458.150	POLICE	CLARKSVILLE POLICE	CLARKSVILLE	IN	KNB 405	CHANNEL 3	YS
0262	460.025	POLICE	LOUISVILLE POLICE	LOUISVILLE	KY	KRL 406	CH 1, I AND 3 DIST	YS
0263	460.050	POLICE	PROSPECT POLICE	PROSPECT	KY	KXZ 626		YS
0265	460.150	POLICE	LOUISVILLE POLICE	LOUISVILLE	KY	KRL 405	CH 2, 2 AND 4 DIST	YS
0266	460.225	POLICE	LOUISVILLE POLICE	LOUISVILLE	KY	KRL 405	INTELLIGENCE-COMMAND	YS
0267	460.300	POLICE	JEFFERSONTOWN POLICE	JEFFERSONTOWN	KY			
0268	460.350	POLICE	MADISON POLICE	MADISON	IN	KTG 496		YS
0269	460.375	POLICE	LOUISVILLE POLICE	LOUISVILLE	KY	KRL 405	CH 3 DETECTIVE	YS
0270	460.475	POLICE	LOUISVILLE POLICE	LOUISVILLE	KY	KRL 405	CH 4, TRAFFIC INFO	YS

So, another chapter in PS/GL comes to a close as I rush to meet the mailman I see coming down the walk. The warm weather's finally arrived here in Chicagoland, reminding me of a poem I read outloud in sixth grade:

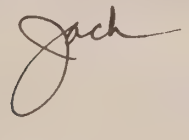
> Spring has sprung and
> Fall has fell;
> Summer's here and
> It's warmer than ..... usual.

I got sent to the Principal's office!

The mailbag's empty folks, except for the goodies already promised for next time, above. Hopefully, **Scott** will send me a review of the Wisconsin group's last get together on April this past weekend. And the Chicago Chapter members will probably send me a tidbit or two, like this one from **Daryll** [OH-149]: "Here's a new freq for your column. Just got this one a few weeks ago. It is for the Oregon City FD and the Jerusalem Township FD. Oregon police dispatcher dispatches for both departments. They are currently on the **33.74** Lucas County Fire Net, and are supposed to switch to UHF sometime this Spring, to **460.600.**" Thanks, **Daryll**, for the contribution and for the example of how easy it is to appear in PS/GL. All you have to do is

TRACK 'EM DOWN !! WRITE 'EM UP !! SEND 'EM IN !!

Best regards [don't forget to croon a tune under the moon to your baby in June],



Public Safety-California

Public Safety-California P.O. Box 3962 Santa Fe Springs, California 90670-1962

RANDY CA OR 270

MAMMOTH LAKES FIRE PROT. DISTRICT--- Unit Numbering System

3300	Chief	153.95
3301	Asst. Chief	154.43
3302	Battalion Chief	153.80R
3303	Battalion Chief	
3324	Quick Attack	(Squad 4)
3328	Quick Attack	(Squad 8)
3332	Engine	(Engine 12)
3333	Engine	(Engine 3)
3337	Engine	(Engine 7)
3350	Brush Engine	(OES 108)
3360	Aerial Ladder	(Truck 6)
3370	Heavy Rescue	(Rescue 9)
3380	Water Tender	(Water Tender 11)
3390	Snow Plow	(Utility 1)
3391	Light Unit	(Utility 2)
3392	Air Unit	(Utility 3)
3393	Crawler	(Utility 4)
3394	Station Wagon	(Utility 5)

Personnel: Paid= 2
PCF= 62

GOODHEW AMBULANCE SERVICE Riverside--- Unit Numbering System

40	Riverside- EMT
42	La Sierra- Paramedic
43	Reserve 46.04
44	Reserve 155.22
45	Riverside- EMT
46	La Sierra- Paramedic
47	Lake Elsinore- Paramedic
48	Reserve
49	Lake Elsinore- Paramedic
51	Murrieta- Paramedic
52	Riverside- Paramedic
54	Corona- Paramedic
55	Corona- Paramedic
91	Sunnymead- Paramedic
92	Riverside- Paramedic
95	Sun City- Paramedic
96	Sun City- Paramedic
401	Manager
402	Mechanic

RANCHO SANTA FE FPD/SOLANA BEACH FPD--- Equipment/Station Locations

RANDY CA OR 230

1- 16936 El Fuego, Rancho Santa Fe

2611	Engine	1000gpm	(Heavy Rescue)
2618	Engine	1000gpm	
2621	Engine	1000gpm	
2622	Engine	750gpm	(Reserve)
2661	Water Tender	750gpm	1000gal
2662	Quick Attack	500gpm	
2691	Rescue Van		

2- 201 Village Pkwy., Olivenhain

2612	Engine	1000gpm
2692	Rescue Modular	

3- El Apajo @ San Dieguito, Fairbanks Ranch

2613	Engine	1000gpm
2693	Rescue Van	

4- 102 N. Nardo Av., Solana Beach

2411	Engine	1250gpm
2421	Engine	1000gpm
2431	Quick Attack	500gpm
2471	55' Squirt	1000gpm
2491	Rescue Van	

"Rancho Fire" dispatches for the following departments:

154.385	Rancho Santa Fe FPD, Solana Beach FPD
154.235	San Marcos FD, Del Dios VFD, Deer Springs VFD, Elfin Forest VFD

MONO COUNTY FIRE AGENCIES--- Unit Numbering System

RANDY CA OR 230 154.43

First two digits = Department

30-	White Mountain FPD
31-	Paradise FPD
32-	Long Valley FPD
33-	Mammoth Lakes FPD
34-	June Lake FPD
35-	Lee Vining FPD
36-	Bridgeport FPD
37-	Antelope Valley FPD
38-	Mono City FPD
??	Wheeler Crest FPD

Second two digits = Type of unit

00--10	Chiefs
11--20	Captains
21--25	Quick Attacks
26--49	Engines
50--59	OES Engine
60--69	Trucks
70--79	Rescues
80--89	Water Tenders
90--99	Utilities

FREQUENCY LIST FOR INYO COUNTY, CALIF.

RANDY CA OR 230

LAW ENFORCEMENT

Sheriff--

F1	154.725R	"Control 1"
F2	154.800R	Mono Co. SO
F3	155.010	Bishop PD
F4	154.920	CLEMARS
	453.000R	'Hotline'

Highway Patrol--

Blue	42.340B	"Bishop"
	42.180M	71#- Bridgeport, 72#- Bishop
	154.905	Extenders

Agencies on the 'Hotline'--

"Bishop 1"	Bishop CHP
"Bishop 2"	Bishop PD
"Bishop 4"	Inyo Co. SO- Bishop sub.
"Independence"	Inyo Co. SO- Dispatch
"Mono 1"	Mono Co. SO- Bridgeport
"Mono 2"	Mono Co. SO- Mammoth sub.
"Bridgeport"	Bridgeport CHP
"Inyo"	Interagency Dispatch (USFS/BLM/CDF)

COUNTY FIRE AGENCIES

154.430 Dispatch
154.280 Mutual Aid

Bishop Dispatch ("Bishop")--
Aspendell
Big Pine
Bishop
Rovana
White Mountain (Mono Co.)

Independence Dispatch ("Control 1")--
Independence
Lone Pine
Olancha-Cartago
Tecopa-Shoshone

453.150 Lone Pine Fire

EMERGENCY MEDICAL SERVICES

F1	154.025R	EMS Repeater	Repeater sites
F2	154.025	EMS Local	A Silver Pk.
F3	155.340	HEAR	B Cerro Gordo Pk.
F4	154.430	Fire Depts.	C Rogers Pk.
F5	155.160	Search & Rescue	D All
F6	155.145	Nevada Hospitals	
F7	155.265	Bishop-Sierra Amb.	

LOCAL/COUNTY GOV'T. FREQS.

153.800R Inyo County Services, Road Dept.
154.085R Inyo County Disaster Services, Admin.
155.805
154.965 Bishop LG

OTHER FREQS.

151.355R Owens Valley CDF
151.430R Fish & Game
158.190 L.A. Dept. of Water & Power
166.375R Bureau of Land Management
166.4875R Bureau of Land Management
167.000 Bureau of Land Management
168.175R Inyo Nat'l. Forest
169.400R BLM- Carson City
170.100R Death Valley Nat'l. Monument

FROM: MR. KIRIL KUNDURAZIEFF - CA LA 595

Since receiving my 1st newsletter in Nov. I have really enjoyed it. I've found it an excellent companion to MONITOR AMERICA, POLICE CALL, & GOVT. RADIO SYSTEMS. I plan to attend my 1st meeting one of these days, & those tours as well.

I'm writing to advise all listeners of the Pomona Police that, in case they didn't know it, whenever they might have heard unit #'s OCEAN 452, 453, 454, 455, 456, 457, 458, 459, 460, 504, etc on the ORANGE, BROWN, & RED frequencies it was not the Pomona PD, but the ALL VOLUNTEER POMONA OFFICE OF EMERGENCY SERVICES (OES) assisting the Police in such things as searches for lost kids, traffic &/or crowd control, security at crime or fire scenes, neighborhood patrols, parking lot security, & stakeouts, along with other such activities that the PD or Fire Dept. called us to help on.

I say "us" because for 3 years I was a member of OES until, because of my work schedule, I couldn't volunteer my time anymore & very reluctantly decided to resign from the group & my post as Radio officer & secretary.

Most of the group have their own cars, which are used on all patrols, along with their own CB Radios which are the groups primary communications source on all patrols unless specifically authorized by the PD OR FD to use Agency Walkie Talkies.

All those who have enjoyed listening to the Pomona Police Copter will be glad to know the new one has arrived, finally. I include herein the article from the 2/13/85 edition of the Pomona Progress Bulletin, which spread the good news.

INGLEWOOD POLICE DEPT.--- Unit Numbering System

#A1--9 Patrol- 2-man
#L1--9 Patrol- 1-man
#X1--5 Canine units

1= Graveyard shift
2= Day shift
3= Evening shift

RANDY CA OR 230

460.15 KMA309
460.275

1E1	Chief of Police
1E2--4	Captains
1K10	Internal Affairs Lt.
1K20,30	Internal Affairs Sgts.
1X1,2	Warrant Service
1X3,4	Auto Theft
1X5,6	Documents
2C1--3	Management Services
2W2	Personnel/Training Lt.
2W3	Vice/Narcotics Lt.
2W4	Burglary/Theft Lt.
2W5	Homicide/Assault/Robbery Lt.
2W7	Traffic Lt.
2W8	Patrol Lt.
2W9	Canine Lt.
2W10	Personnel/Training Lt.
2X6--9	DUI Team
3C1--9	Community Services Officers
3P1--3	Personnel/Training
3S1--6	Patrol Sgts.
3V1--5	Vice/Narcotics Detectives
4P1--10	Transit Officers
5J2--5	Sex Crimes/DPSS Detectives
5J6--9	Gang units
6K1	Homicide/Assault/Robbery Sgt.
6K2--10	Homicide/Assault/Robbery Detectives
7K1	Burglary/Theft Sgt.
7K2--8	Burglary/Theft Detectives
7M1--5,10	Motor units
7T1--6	Traffic Control Officers
8M1--7	Special Enforcement Officers (Traffic)
8R1--4	ID Section
9R1	Jail Sgt.
9R2	Jailer
10E1--7	Metro units

CDF- MENDOCINO RANGER UNIT--- Equipment/Station Locations

RANDY CA OR230

151.19

Administrative--

1100	Ranger-in-charge
1101	Operations Chief
1102	Admin. Chief
1103	Fuel Management Officer
1108	Ukiah Air Attack Chief
1109	Command Center Chief
1110	Service Center Chief
1111	Ranger- Covelo
1112	Ranger- Willits
1113	Ranger- Ukiah
1114	Ranger- Boonville
1115	Ranger- Pt. Arena
1116	Ranger- Ft. Bragg
1117	Ranger- Laytonville
1120	Fire Prevention Officer
1130	Equipment Maintenance Officer
11R1	Resource Management Officer
11R2	Service Forester
11R6	Resource Management Officer
11R12	CFIP

Covelo FFS-- 77251 Covelo Rd.

1111	Ranger
1162	Engine 4WD
1178	Engine
1143	Transport
1148	Dozer
1126	4WD Scout

Willits FFS-- 17501 N. Hwy. 101

1112	Ranger
1166	Engine 4WD
1190	Water Tender
1141	Transport
1146	Dozer
1152	Dozer Service 4WD

Ukiah FFS-- 2690 N. State St.

1113	Ranger
1165	Engine 4WD
1183	Engine
1142	Transport
1149	Dozer
1127	4WD Utility

Hopland FFS-- 11000 Hwy. 101

1181	Engine
1191	Water Tender

Boonville FFS-- 2 mi. s. of town

1114	Ranger
1161	Engine 4WD
1177	Engine
1140	Transport
1147	Dozer
1153	Dozer Service
1135	Utility

Pt. Arena FFS-- N. of town
1115 Ranger
1164 Engine 4WD
1176 Engine

Ft. Bragg FFS-- 802 N. Main St.
1116 Ranger
1180 Engine
1137 Utility

Woodlands FFS-- 41722 Little Lake Rd
1163 Engine 4WD

Laytonville FFS-- 46101 N. Hwy. 101
1117 Ranger
1179 Engine
1136 Utility

Leggett FFS-- 1 mi. n. of town
1160 Engine 4WD
1182 Engine

Ukiah Air Attack-- 1475 S. State St.
Attack 110
Attack 111
Attack 112
Tanker 92
Tanker 94

Helitack-
1197
C101

Jackson Demonstration State Forest
1R30--40 Foresters
176 4WD Utility
177 Stakeside
178 Dozer
179 Dozer Service

SAN DIEGO P.D. JEFF CA 0R-012

"Both" tactical frequencies refers to "Tac 1" (more commonly known just as "Tac"), 155.685. "Tac 2" is a new simplex frequency, 158.910. It is currently only installed in some traffic cars, motorcycles, and civilian traffic controller handy-talkies (or walkie-talkies, depending on your accent). It is used for stadium and sports arena events for traffic control.

The "regular" frequency for ASTREA 3 (Aerial Support To Regional Enforcement Agencies) would be SDSO F4 or F5 (Eastern or Southern, the areas covered by ASTREA 3, who also covers most of SDPD on request), 453.500 & 453.950.

The only complete SDPD beat maps that are currently acurate are large wall maps hanging in SDPD communications. The beat map in Police Call - Southern California Detail Edition is not accurate. (But it is still close.) A general breakdown of the seven divisions is as follows:
Northern (100's): North of I-8 (west of I-5)/North of Clairemont (east of I-5); West of I-805.
Northeast (200's): North of Miramar Rd; East of I-805.
Eastern (300's): South of Miramar Rd; North of University; East of I-805.
Southeast (400's): South of University; East of I-805.
Central (500's): Downtown, Balboa Park & Logan Heights.
Western (600's): South of I-8 (west of I-5)/South of Clairemont (east of I-5); West of I-805; North of Upas.
Southern (700's): The unattached portion of incorporated land along the Mexican border (San Ysidro).

FROM DAVID CA SF 025

SONOMA COUNTY POLICE IDENTIFIERS:

City:
2 - Healdsburg
3 - Sebastapol

Ranks:
Robert or Roger - reserve
Paul - Pstrol
Charles - Corporal
Sam - sergeant
Adam - chief

example: 3Charles 2 - Sebastapol corporal

Marin Update:
Sausalito Fire Department - Station 1 now has Quint 1 (this is the only quint in Marin county; very interesting

Ross Valley Station 19: Has aquired a new $125,000 pumper as Engine 19; probably the most expensive engine purchased to date in the county.

Presidio Fire Station 2, Ft. Chronkite: now has a second fire engine, a old red engine that is stenciled, "USAF" (!)

San Rafael Police: Now has a non-sworn person called, Police Services Aide, to handle all non-emergency police reports that he can handle. He drives a baby blue car with Police Services Aide on it. The SRPD has 3 such people called PSA IIs, believed to be 3C units on 39.16mhz.

Ssn Francisco Update:

San Francisco Fire: Has begun receiving new Grumman fire engines. They are very big and look impressive; but then, SFFD has the money.

Police: The Metropolitan and Golden Gate Divisions are now in effect. Each division is headed by a commander, with nights handled by division captains. The commander identifiers are the same, 3X300,1, but unknown what the division captains will be called.

FROM CRAIG CA VE 011

LOS ANGELES

FIRE DEPARTMENT FREQUENCIES

CHANNEL	TRANSMIT-TONE		RECEIVE-TONE		DEPARTMENT
01	509.3125	1Z	506.3125	1Z	FIRE REPEATER
02	509.5375	1Z	506.5375	1Z	FIRE REPEATER
03	509.9125	1Z	506.9125	1Z	FIRE REPEATER
04	510.1375	1Z	507.1375	1Z	FIRE REPEATER
05	509.6375	1Z	506.6375	1Z	FIRE REPEATER
06	510.0125	1Z	507.0125	1Z	FIRE REPEATER
07	33.70	5B	33.70	5B	FIRE
08	33.82	5B	33.82	5B	FIRE
09	33.94	5B	33.94	5B	FIRE
10A	33.86	5B	33.48	5B	FIRE DIGICOM "A"
10B	33.90	5B	33.48	5B	FIRE DIGICOM "B"
11	33.60	5B	33.60	5B	FIRE-COMMAND
12	33.56	5B	33.56	5B	FIRE
13	33.52	5B	33.52	5B	FIRE
HEAR-1	155.280	1Z	155.280	1Z	FIRE-RESCUE AMB.
HEAR-2	155.340		155.340		FIRE-RESCUE AMB.

LOS ANGELES

CITY-WIDE MOBILE FREQUENCIES

TRANSMIT-TONE		RECEIVE-TONE		DEPARTMENT
151.130	1B	151.130	1B	ENGINEERING (SURVEY)
153.800		153.800		GENERAL SERVICES
153.800	1Z	153.800	1Z	AIRPORT DEPT.
153.800	YB	153.800	YB	RECREATION & PARKS
153.920	YB	153.920	YB	RECREATION & PARKS
33.02	2Z	33.02	2Z	STREET MAINT.- VALLEY
33.06	2Z	33.06	2Z	STREET MAINT.-CENTRAL
37.14		37.14		ELECTRONICS
37.14	1Z	37.14	1Z	BUILDING SECURITY
39.52		39.52		PUBLIC BUILDINGS
39.90	3Z	39.90	3Z	CIVIL DEFENSE-COMMAND
45.62		45.62		HARBOR DEPT.-MAINT.
45.74	7A	45.74	7A	HARBOR DEPT.-PATROL
457.525		457.525		SCHOOL DISTRICT
458.050		453.050		SANITATION DEPT.
458.250	1Z	453.250	1Z	CONTRACT ADMIN.
458.250	2Z	453.250	2Z	STREET LIGHTING
458.250	3Z	453.250	3Z	HOUSING AUTHORITY
458.250	4Z	453.250	4Z	STANDARDS BUREAU
458.250	6Z	453.250	6Z	PERSONNEL DEPT.
458.250	7Z	453.250	7Z	ANIMAL REGULATION
458.400		453.400		TRAFFIC DEPT.
465.550	2Z	460.550	2Z	CONVENTION CENTER

AREA & CALL PREFIX	COLOR	"B"	"M"
DIVISION # I "North"			
Alturas - 60	Blue	42.34	42.18
Garberville - 105	Green	42.54	42.24
Crescent City - 95	Green	42.54	42.24
Humboldt - 16	Green	42.54	42.24
Lakeport - 7	White	42.56	42.72
Mt. Shasta - 52	Purple	42.40	42.16
Quincy - 20	Blue	42.34	42.18
Red Bluff - 36	Red	42.44	42.28
Redding - 37	Red	42.44	42.28
Susanville - 38	Blue	42.34	42.18
Trinity River - 90	Red	42.44	42.28
Ukiah - 18	White	42.56	42.72
Williams - 39	Brown	42.50	42.82
Willows - 93	Brown	42.50	42.82
Yreka - 41	Purple	42.40	42.16
DIVISION # II "Valley"			
Auburn - 45	Green	42.54	42.24
Bridgeport - 71	Blue	42.34	42.18
Chico - 104	Brown	42.50	42.82
Gold Run - 70	Gray	42.48	42.68
Grass Valley - 42	Green	42.54	42.24
Jackson - 94	White	42.56	42.72
Lake Valley - 13	Gray	42.48	42.68
Oroville - 35	Brown	42.50	42.82
Placerville - 44	Green	42.54	42.24
N. Sacramento - 46	Gold	42.12	42.20
S. Sacramento - 112	Black	42.46	42.70
San Andreas - 49	White	42.56	42.72
Stockton - 62	White	42.56	42.72
Tracy - 103	Yellow	42.52	42.30
Truckee - 80	Gray	42.48	42.68
Woodland - 47	Black	42.46	42.70
Yuba-Sutter - 43	Brown	42.50	42.82
DIVISION # III "Golden Gate"			
Contra Costa - 19	Purple	42.40	42.16
Fairfield - 22	Purple	42.40	42.16
Hayward - 25	Tan	42.42	42.84
Marin-G.G. Br. - 34	Silver	42.08	42.28
Napa - 21	Orange	42.88	42.66
Oakland - 96	Gold	42.12	42.20
Redwood City - 91	Silver	42.08	42.28
San Francisco - 32	Pink	42.44	42.76
San Jose - 24	Brown	42.50	42.82
Santa Rosa - 17	Orange	42.88	42.66

Frequencies are MegaHertz (MHz)
"B" - Base & Car to Car
"M" - Car to Station
Mountaintops receive both channels and transmit "B" channel. Cars transmit either channel to mountaintops and "B" channel car to car and local stations. Cars can receive the "M" channel.
The "Blue" frequency (42.34 42.18) is used statewide as a secondary frequency and all cars and stations can operate on it, regardless of the primary frequency.

Extender frequencies, statewide:
f1 154.905 f2 154.920

RENEGASE 018

AREA & CALL PREFIX	COLOR	"B"	"M"
DIVISION # IV "Central"			
Bakersfield - 69	Brown	42.50	42.82
Coalinga - 88	Pink	42.44	42.76
Fresno - 65	Silver	42.08	42.28
Hanford - 68	Pink	42.44	42.76
Los Banos - 30	Orange	42.88	42.66
Madera - 66	Orange	42.88	42.66
Mariposa - 63	Orange	42.88	42.66
Merced - 64	Orange	42.88	42.66
Modesto - 48	Yellow	42.52	42.30
Porterville - 40	Pink	42.44	42.76
Sonora - 61	White	42.56	42.72
Visalia - 67	Pink	42.44	42.76
DIVISION # V "Southern"			
Baldwin Park - 81	Orange	42.88	42.66
Central L.A. - 15	Black	42.46	42.70
East L.A. - 82	Yellow	42.52	42.30
Glendale - 98	Brown	42.50	42.82
Newhall -78	Tan	42.42	42.84
Santa Fe Springs - 83	Gold	42.12	42.20
South L.A. - 77	White	42.56	42.72
Tejon - 102	Tan	42.42	42.84
West L.A. - 79	Pink	42.44	42.76
Malibu - 109	Pink	42.44	42.76
West Valley - 56	Brown	42.50	42.82
DIVISION # VI "Border"			
Banning - 97	Red	42.44	42.28
Blythe - 6	Red	42.44	42.28
Capistrano - 113	Gray	42.48	42.68
El Cajon - 108	Gold	42.12	42.20
El Centro - 85	Blue	42.34	42.18
Indio - 76	Red	42.44	42.28
Oceanside - 92	Gold	42.12	42.20
San Diego - 87	Orange	42.88	42.66
Santa Ana - 86	Purple	42.40	42.16
Westminster - 55	Gray	42.48	42.68
DIVISION # VII "Coastal"			
Buellton - 3	White	42.56	42.72
Hollister-Gilroy - 23	Green	42.54	42.24
King City - 8	Black	42.46	42.70
Monterey - 27	Black	42.46	42.70
Paso Robles - 9	White	42.56	42.72
San Luis Obispo - 28	White	42.56	42.72
Santa Barbara - 29	Green	42.54	42.24
Santa Cruz - 26	Green	42.54	42.24
Santa Maria - 14	White	42.56	42.72
Ventura - 31	Purple	42.40	42.16
DIVISION # VIII "Inland"			
Antelope Valley - 89	Tan	42.42	42.84
Arrowhead - 101	Copper	42.60	42.74
Barstow - 73	White	42.56	42.72
Bishop - 72	Blue	42.34	42.18
Mojave - 59	White	42.56	42.72
Ontario - 84	Orange	42.88	42.66
Riverside - 74	Green	42.54	42.24
San Bernardino - 75	Copper	42.60	42.74
MORONGO BASIN - 106	White	42.56	42.72
Victorville - 12	White	42.56	42.72
Needles - 114	White	42.56	42.72

PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware; and District of Columbia:

Richard Barnett, P.O. Box 428, Newton Highlands, MA 02161. NO COLUMN THIS MONTH

PUBLIC SAFETY WEST

SEND PUBLIC SAFETY AND SPECIAL EMERGENCY FREQUENCIES, RADIO SYSTEM DETAILS AND QUESTIONS FOR ALASKA, ARIZONA, COLORADO, HAWAII, IDAHO, MONTANA, NEVADA, NEW MEXICO, OREGON, UTAH, WASHINGTON AND WYOMING TO:

GEORGE N. HOGGATT, 17473 E. 16TH DR., AURORA, CO 80011
ELECTRONIC MAIL: <COMPUSERVE:75376.673> <DELPHI:JORG> <SOURCEMAIL:BBZ812>

Wanted to make this short as we will continue with the Idaho and Nevada lists started last month, but I've got a new radio to tell about. The long awaited Regency MX-7000 is finally out. On the whole, I'm impressed. Not the ultimate radio, or a perfect radio but then what I would consider perfect would not be, most likely, what you would consider perfect. Since I have had it for only a couple of weeks, the results and opinions are tentative.

First the good points: the size is nice, just like the MX-5000. The instruction book shows terrible sensitivity but in practice it is the best I have owned. The frequency range is remarkable to say the least - 25 to 550 mhz and 800 to 1300 mhz. AM, narrow FM and wide FM. Any modulation on any frequency. Choice of 5 Khz, 12.5 Khz or 25 Khz spacing on search. It will program in the government split channels and not round them off like all others I have used to date. Since I live right next to an Air Force Base, there is lots of traffic on the UHF aircraft channels. Not much of interest on 800 Mhz here and I have not heard anything of interest above 900 Mhz.

Now for the not so good things: the price is high - $699 list. Some of the mail order ads list $449. I paid something in between. The worst thing is the scan speeds. The book shows 5 channels per second, I timed more like 3.5. that is the fast speed, the slow is of no use what so ever. The key board is the membrane type, which is ok, but it is covered with a loose sheet of plastic over it. The plastic on mine is torn already. The display is LCD. The light must be placed just so to read it and then it is hard to read as the image seems to linger as if the trigger was not clean. The display has a light controlled by a front panel switch. they could have saved some money by leaving it out since it does not do any good. the front panel also has a lock switch that seems to be of little if any use as the program panel needs a good push to activate a switch. It takes a lot of button pushing to enter anything. with the range it has you need to enter the decimal. Channel numbers are entered, you do not have to be at the channel to be reprogrammed. this is great if you can remember what channel you want the new frequency in (I can't).

The volume and squelch controls are ganged (the squelch is a ring on the outside of the volume control). It is easy to change the squelch setting when changing th volume. There is a clock built in. Another waste of money to me. When I am near the radio it is on and the clock does not show. When the radio is off and the clock shows, I am elsewhere.
The antenna connector is a BNC type, not an auto radio plug or a SO-239 (for a PL-259).

Listening to trunked systems is not good. You only catch bits and pieces of conversations. Someone is going to have to come up with a radio that can follow the channel changes.

That's all for now on it. Will have a better picture next month.

COLORADO NEWS:

Clear Creek County has had a new channel for some time but I just discovered it the other day. Channel 1 is 155.610 repeater out. Channel 2 is the old channel of 155.025.

The Denver Police horse patrol is now called MP-x where x is any number.

Now to continue with the Idaho frequency list from Mark ID-012 and the Nevada Medical Net from Fred Richter NM-005.

See you next month when it will be summer! George

RADIO FREQUENCY CHANNELS IN THE SPECTRUM FROM 450 TO 470 Mhz
LICENSED FOR USE BY POLICE AGENCIES WITHIN THE STATE OF IDAHO

COUNTY	CITY	FREQUENCY T	FREQUENCY R	AGENCY	CALL SIGN	LOCATION	TYPE
Blaine	Ketchum	460.150	465.150	Blaine Co. Sheriff	WJT 54		
	Bellevue	"	"	"	KNGJ 617		
	Hailey	"	"	"	"		
	Ketchum	"	"	"	"		
	Hailey	460.350	465.305	"	"		
	"	465.025	460.025	"	"		All Call
	"	"	"	"	KD 6208		"
	"	"	"	"	WJT 54		"
	"	465.150	460.150	"	KD 6208		
	"	"	"	"	WJT 54		
	"	"	"	"	KNGJ 617		
	"	465.200	460.200	"	KD 6208		
	"	465.350	460.350	"	KNGJ 617		
	"	465.375	460.375	"	"		
	Hailey	460.175	465.175	City Hailey	KB 32581		
	"	465.150	460.150	"	"		
	"	465.200	460.200	"	"		
	Ketchum	465.200	460.200	City of Ketchum	KS 3455		
		465.350	460.350	"	"		
	Sun Valley	460.375	465.375	City of Sun Valley	KA 48359		
	"	465.150	460.150	"	"		
	"	465.200	460.200	"	"		
	"	465.375	460.375	"	"		
Boise	Idaho City	460.125	465.125	Boise Co. Sheriff	KNBI 638		
	Horseshoe Bend	"	"	"	"		
	Idaho City	465.025	460.025	"	KY 6712		All Call
	"	465.100	460.100	"	"		
	"	465.125	460.125	"	KNB 1638		
	"	465.275	465.275	"	KY 6712		Car to Car
	"	465.450	460.450	"	KNBI 638		
Bonner	Sandpoint	460.050	460.050	Sandpoint Police	KNEY 598		

RADIO FREQUENCY CHANNELS IN THE SPECTRUM FROM 450 TO 470 Mhz
LICENSED FOR USE BY POLICE AGENCIES WITHIN THE STATE OF IDAHO

COUNTY	CITY	FREQUENCY T	FREQUENCY R	AGENCY	CALL SIGN	LOCATION	TYPE
Bonneville	Idaho Falls	460.450	465.450	Bonneville Sheriff	KSO 861		
		"	"	"	KRV 317		
		"	"	"	WXB 321		
	Ririe	"	"	"	KRV 317		
	Idaho Falls	465.025	460.025	"	KN 6875		All Call
	"	"	"	"	WDB 60		"
		465.200	460.200	"	KN 6875		
		"	"	"	WDB 60		
		465.275	465.275	"	KN 6875		Car to Cat
		"	"	"	WDB 60		"
		465.450	460.450	"	"		
		"	"	"	KN 6875		
Boundary	Bonners Ferry	460.350	465.350	Boundary Co. Sheriff	WXT 738		
		465.350	460.350	"	WDQ 347		
		"	"	"	KA 34315		
Butte	Arco	465.025	460.025	Butte Co. Sheriff	KA 4795		All Call
		465.100	460.100	"	WIK 47		
		465.200	460.200	"	"		
		465.275	465.275	"	KA 4795		Car to Car
Canyon	Caldwell	460.175	465.175	Caldwell Police	KTL 623		Dispatch
		465.025	460.025	"	"		All Call
		465.100	460.100	"	"		
		465.175	460.175	"	"		
		465.275	465.275	"	"		Car to Car
		465.500	465.500	"	"		
	Caldwell	460.175	465.175	Canyon Co. Sheriff	KTL 623		
		460.250	465.250	"	KNFB 443		
		460.325	465.325	"	KNFB 444		Dispatch
		460.425	465.425	"	KO 3775		
		465.025	460.025	"	"		All Call
		465.100	460.100	"	WJT 97		
		465.275	465.275	"	KO 3775		
		465.325	460.325	"	WJT 97		Car to Car

RADIO FREQUENCY CHANNELS IN THE SPECTRUM FROM 450 TO 470 Mhz
LICENSED FOR USE BY POLICE AGENCIES WITHIN THE STATE OF IDAHO

COUNTY	CITY	FREQUENCY T	FREQUENCY R	AGENCY	CALL SIGN	LOCATION	TYPE
Canyon	Caldwell	465.500	460.500	Canyon Co. Sheriff	KO 3775		
		465.500	460.500	"	WJT 97		
	Nampa	460.050	465.050	Nampa Police	KTY 982		Dispatch
		465.025	460.025	"	KO 5746		All Call
		"	"	"	WKL 82		"
		465.050	460.050	"	KO 5746		
		465.100	460.100	"	WKL 82		
		465.275	465.275	"	KO 5746	Mobiles	Car to Car
		465.500	460.500	"	WKL 82		
		465.500	460.500	"	KO 5746		
Cassia	Burley	460.025	465.025	Twin Falls Police	WQU 367	Mt. Harrison	All Call
		"	"	Jerome Co. Sheriff	KNAK 464	"	"
		"	"	T. F. Co. Sheriff	KNAA 928	"	"
		"	"	Buhl Police	KNAI 296	"	"
		460.425	465.425	Burley Police	KUG 621		
		465.025	460.025	"	KO 8568	Mobiles	All Call
		465.200	460.200	"	"		
		465.275	465.275	"	"		Car to Car
		465.325	460.325	"	"		
		465.325	460.325	"	WLS 25	Control	
		465.325	460.325	"	KR 9113		
		465.425	460.425	"	KR 9113		
	Rupert	465.325	460.325	Rupert Police	WSZ 65	Control	
Clark	Dubois	465.025	460.025	Clark Co. Sheriff	KNGQ 679		All Call
		465.350	460.350	"	"		
Elmore	Featherville	460.475	465.475	Elmore Co. Sheriff	KEY 876		
	Mt. Home	"	"	"	KOI 861		
		465.025	460.025	"	KH 3132	Mobiles	All Call
		"	"	"	KPB 31		"
		465.100	460.100	"	"		
		465.275	465.275	"	KH 3132		Car to Car
		465.475	460.475	"	KPB 31		
		465.475	460.475	"	KH 3132		

RADIO FREQUENCY CHANNELS IN THE SPECTRUM FROM 450 TO 470 Mhz
LICENSED FOR USE BY POLICE AGENCIES WITHIN THE STATE OF IDAHO

COUNTY	CITY	FREQUENCY T	FREQUENCY R	AGENCY	CALL SIGN	LOCATION	TYPE
Elmore	Mt. Home	460.075	465.075	Mt. Home Police	KNHE 312		
		465.075	460.075	"	"		
Franklin	Preston	460.025	465.025	Franklin Sheriff	KTP 953		All Call
		460.475	465.475	"	"		
		460.225	465.225	Preston Police	WYZ 355		
		465.100	460.100	"	WFK 567		
		465.100	460.100	"	KA 44487		
		465.225	460.225	"	"		
		465.225	460.225	"	WYZ 355		
		465.275	465.275	"	KA 44487		Car to Car
		465.475	460.475	"	"		
		465.475	460.475	"	WFK 567		
Fremont	St. Anthony	460.025	465.025	Fremont Co.	KTE 375	Menan	All Call
		460.500	465.500	"	"		
		460.075	465.075	Fremont Co. Sheriff	WXB 859		
		465.075	460.075	"	KP 6894	Mobiles	
		465.075	460.075	"	WHP 37	Control	
		465.075	460.075	"	KTE 375		
		"	"	"	WXB 859		
		465.200	460.200	"	KP 6894		
		"	"	"	WXB 859		
		465.350	460.350	"	KP 6894		
		465.500	460.500	"	"		
Gem	Emmett	460.325	465.325	Canyon Co. Sheriff	KTS 748		
		465.025	460.025	Emmett Police	KNPH 516		All Call
		465.100	460.100	"	"		
		465.275	465.275	"	"		Car to Car
		465.375	460.375	"	WAU 650		
		465.375	460.375	"	KNDH 516		
		465.025	460.025	Gem Co. Sheriff	WOL 86		All Call
		465.200	460.100	"	"		
		465.150	460.150	"	"		
		465.275	465.275	"	KQ 2585		Car to Car

THIS DIRECTORY IS A LISTING, BY LOCATION, OF HOSPITALS THAT ARE PART OF THE EMS RADIO SYSTEM.

MED CHANNEL ASSIGNMENTS, PRIVATE LINE (PL) NUMBERS AND MOUNTAIN TOP REPEATER SITES ARE SHOWN FOR EACH HOSPITAL.

TO USE THIS DIRECTORY:

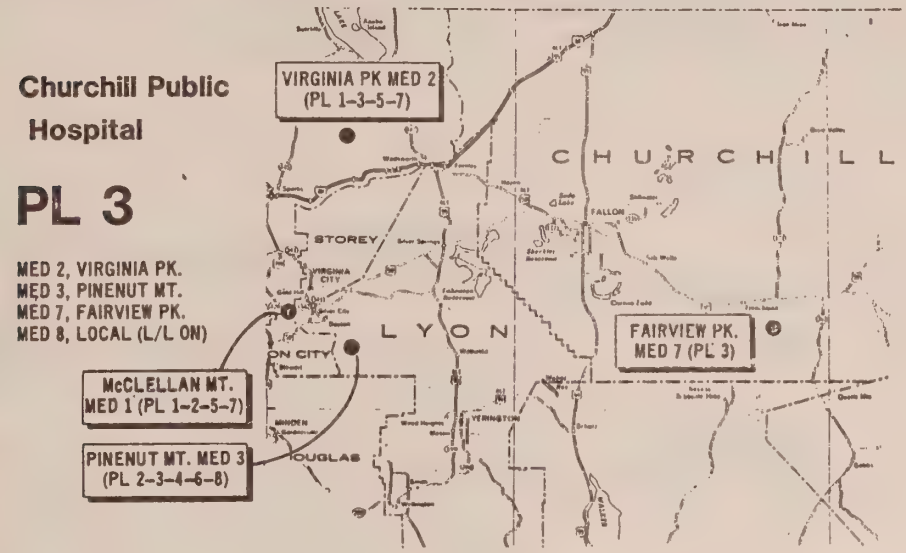
1) SELECT THE PAGE FOR THE TOWN THE HOSPITAL YOU WISH TO CONTACT IS LOCATED IN.
2) SELECT THE PROPER PRIVATE LINE (PL) NUMBER FOR THAT HOSPITAL.
3) FROM THE MAP, SELECT THE MED CHANNEL OF THE MOUNTAIN TOP REPEATER CLOSEST TO YOUR UNIT THAT SERVES THE HOSPITAL YOU WISH TO CONTACT, ATTEMPT TO CONTACT THE HOSPITAL.
4) IF YOU ARE UNABLE TO MAKE CONTACT WITH THE HOSPITAL, SELECT AN ALTERNATIVE MOUNTAIN TOP REPEATER FROM THE MAP AND AGAIN TRY TO CONTACT THE HOSPITAL.

INFORMATION ON THE USE OF THE EMS RADIO SYSTEM MICROWAVE LINES FOR COMMUNICATING WITH ST. MARY'S HOSPITAL OR WASHOE MEDICAL CENTER IN RENO ARE SHOWN ON A SEPARATE PAGE.

Churchill Public Hospital

PL 3

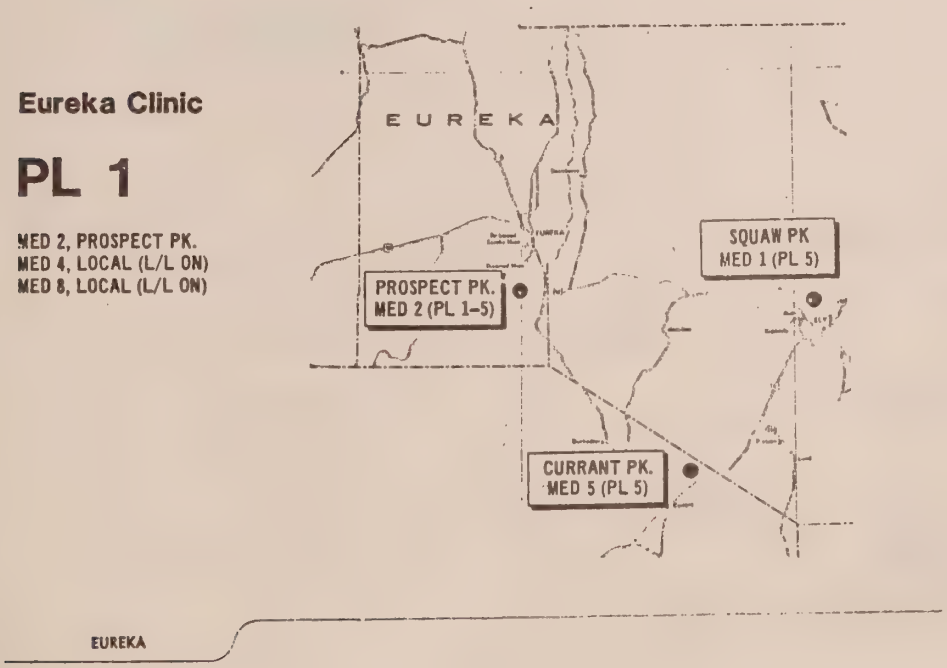
MED 2, VIRGINIA PK.
MED 3, PINENUT MT.
MED 7, FAIRVIEW PK.
MED 8, LOCAL (L/L ON)



Eureka Clinic

PL 1

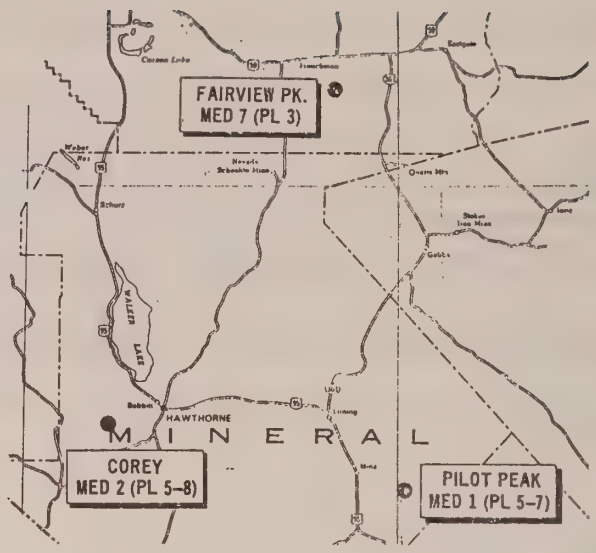
MED 2, PROSPECT PK.
MED 4, LOCAL (L/L ON)
MED 8, LOCAL (L/L ON)



Gabbs Clinic

PL 1

MED 1, PILOT PEAK
MED 2, COREY PEAK
MED 7, FAIRVIEW PEAK
MED 8, LOCAL (L/L ON)

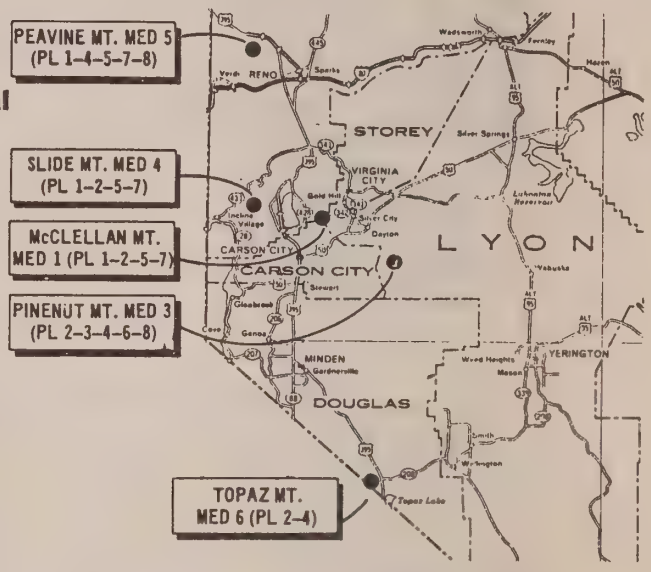


GABBS

Lakeside Hospital

PL 5

MED 4, SLIDE MT.
MED 6, PLUTO MT.
MED 7, SAHARA TAHOE
MED 2, LOCAL (L/L ON)



INCLINE VILLAGE

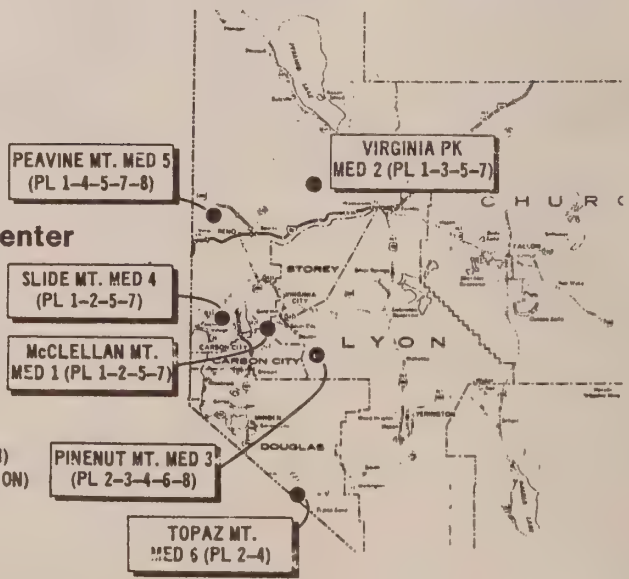
St. Mary's Hospital

PL 7

Washoe Medical Center

PL 1

MED 1, McCLELLEN MT.
MED 2, VIRGINIA PEAK
MED 4, SLIDE MOUNTAIN
MED 5, PEAVINE MT.
MED 7, ST. MARY'S LOCAL (L/L ON)
MED 8, WASHOE MED. LOCAL (L/L ON)

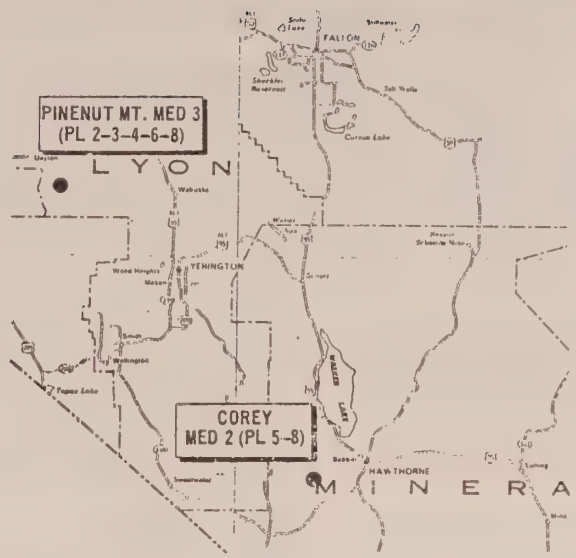


RENO

Schurz Hospital

PL 6

MED 3, PINENUT PEAK
MED 8, LOCAL (L/L ON)



SCHURZ

Railroads

Gary L. Sturm and
Bill Farmer, Editors

Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:

Bill Farmer, P.O. Box 1838, Thousand Oaks, CA 91360

Greetings once again...as summer approaches it's time to take a look at frequencies used by the tourist railroads that some of us will be visiting during our vacations. We also have contributions and a report on talking defect detectors.

ATLANTA—AMTRAK & SEABOARD SYSTEM

by C. W. BARTHOLOMAI (GA-001)

With reference to your March mention of AMTRAK terminal frequencies, I can now confirm use of 457.900 at Peachtree Station in Atlanta. I previously had 452.900 and had heard nothing but have not monitored it enough to state that it is not, or has not been, used. I would not think the level of operations here would indicate use of two frequencies.

For a time after the Seaboard System reorganization, 161.310 was in use here in yard operations. Some receptions were identifiable as Hulsey (ex-Georgia RR) Yard, but most were not geographically identifiable. I no longer get anything on any of the Georgia Railroad/West Point Route frequencies so perhaps the earlier ones were before radio changes were completed. Hulsey is now essentially dead and Seaboard System's proposal to establish a piggyback facility there has become a political issue.

[Ed. Note: Seaboard System channel 4, 161.100, has replaced 161.310 as the road channel on former Georgia Railroad/West Point Route lines.]

HUNTINGTON, WEST VIRGINIA

by MATTHEW BIAZ (prospective new member)

161.655		N&W RR [outside of RR band—typo? -ed.]
161.295		N&W RR
161.190		N&W RR [Road channel -ed.]
160.230	*	C&O RR [Road channel -ed.]
161.160		C&O RR
161.310		C&O RR
161.460		C&O RR

*This frequency is the MAIN LINE channel and has a good deal of traffic on it, even on a rubber duckie! The MAIN LINE channel covers much more than just Cabell County.

MUSEUMS & TOURIST LINES FOR 1985

by BILL FARMER (CA-VE-010)

While traveling this summer you'll have your scanner along, so why not tune in on that steam train operation you're going to visit? Here are some frequencies to get you started. If you discover any others, please send them to us so everyone can enjoy them next summer!

Alaska Railroad		164.625	Road
Algoma Central Railway	Sault Ste. Marie, ONT	160.530	Road
Brackenridge Park Railroad	San Antonio, TX	???	
California Railroad Museum—steam train rides operated by Pacific Locomotive Assn.	Sacramento, CA	160.695	
California Western (Skunk Line)	Ft. Bragg, CA	160.650	Road
Cape Cod & Hyannis	Buzzards Bay, MA	160.725	
Chelatchie Prairie	Battle Ground, WA	464.225	
Conway Scenic	Conway, NH	161.250	
Cumbres & Toltec Scenic	Chama, NM	161.505	
Detroit Zoo RR	Detroit, MI	151.205	
Disneyland	Anaheim, CA	154.600	
Disney World	Lake Buena Vista, FL	462.575	
		462.625	
Durango & Silverton Narrow Gauge	Durango, CO	160.860	
		161.295	
Georgetown Loop Railroad	Silver Plume, CO	161.115	
Gettysburg Railroad	Gettysburg, PA	161.235	
Golden Spike Nat'l. Hist. Site	Promontory, UT	171.675	
Huckleberry Railroad	Flint, MI	???	
Illinois Railway Museum	Union, IL	154.540	
		154.570	
		154.600	
Mad River & NKP Museum	Bellevue, OH	154.570	
Manitou & Pikes Peak	Colorado Springs, CO	161.550	
Mid-Continent Railway Museum	North Freedom, WI	151.625	
		154.515	
Minnesota Transportation Museum	Hopkins, MN	161.355	
Mt. Washington Cog Railway	Mt. Washington, NH	160.410	
		151.895	
Oregon, Pacific & Eastern	Cottage Grove, OR	160.980	
Portland Zoo RR	Portland, OR	151.655	
Puget Sound Railway Hist. Assn.	Snoqualmie, WA	161.355	
		161.385	
Sierra Railroad	Jamestown, CA	160.590	
Pacific Locomotive Assn.	Jamestown, CA	160.695	
Stone Mountain Scenic	Stone Mountain, GA	160.845	
Strasburg Railroad	Strasburg, PA	161.235	
Tennessee Valley RR Museum	Chattanooga, TN	160.425	
		463.225	
Texas State Railroad	Rusk & Palestine, TX	151.340	
Valley Railroad	Essex, CT	152.360	
Western Railroad Museum	Rio Vista Jct., CA	161.355	
Whitewater Valley Railroad	Connersville, IN	160.650	
Yakima Valley Transportation	Yakima, WA	160.680	

TALKING DEFECT DETECTORS

by BILL FARMER (CA-VE-010)

During recent years the railroads have found great value in the use of automatic defect detectors placed along their main lines. These detectors examine passing trains for overheated journal bearings, dragging equipment such as broken brake rigging, and for loads which have shifted position or are overheight or overwidth. Early detection of such defects has done much to prevent derailments and the huge losses involved with such accidents.

Many defect detectors inform the train crew of irregularities by setting block signals to the stop position or by flashing lights at the detector site. The latter type requires that the train crew in the caboose observe the detector displays as the rear of the train passes.

With the 1982 agreement between railroads and employee unions to gradually phase out the use of cabooses and have crews ride in the locomotives, it has become necessary to change the method of transmitting information from the detectors to the train crews. One such method is the use of radio transmissions. The advances in integrated circuit technology have allowed manufacturers to design equipment which can electronically synthesize a voice report and transmit it to the train crew after the train has passed the detector site. The reports are transmitted on the railroad's regular road radio channel and can be heard by all crew members whether they are riding in the locomotive, caboose, or carrying a handset.

Seaboard Coast Line Railroad was the first to install a talking detector in 1970. Other roads were slow to join the movement until the cabooseless trains agreement was reached. Since then many of the major lines, including Burlington Northern, Conrail, Santa Fe, and Southern Pacific have been installing them at a rapid pace. In many cases existing detector installations are being converted to the radio type.

The detector transmissions can be heard by anyone with a scanner tuned to the railroad's road frequency. Here is an example of what may be heard as a train passes a Santa Fe detector:

> As a train approaches the detector location, to alert the crew that the system is operational the following message will be transmitted via radio:
>
> "SANTA FE RAILROAD, (Site Identification), SYSTEM WORKING."
>
> After the entire train has passed the detector, if no defects were noted, the following message will be transmitted via radio:
>
> "SANTA FE RAILROAD, (Site Identification), NO DEFECTS."
>
> If defect(s) are noted as the train passes the detector location, a rotating white light will be illuminated. In addition, a message stating "YOU HAVE A DEFECT", or an audible beeping tone will be transmitted via radio. If the detector is on the North Track the audible tone will be a fast beep; if on the South Track it will be a slow beep. If two trains are passing the detector at the same time and defect(s) are noted in each train, the beeping tone will revert to a continuous tone. When any of these warnings are observed, train(s) must be stopped with rear end at least 300 feet beyond the detector. Identification of defect(s) noted, by type and location in the train, will then be transmitted via radio. This transmission will be repeated once to insure the information is correctly copied. All references to the defect location will be the number of axles from the rear of the train, and reference to "Left" or "Right" side are to the engineer's left or right in the direction of travel. The following are typical of what transmissions one can expect to hear:
>
> (1) "SANTA FE RAILROAD (Site Identification), FIRST HOTBOX RIGHT SIDE, one seven eight."
>
> (2) "SECOND HOTBOX LEFT SIDE, one four three."
>
> (3) "FIRST DEFECTIVE CAR*, Axle one two five."
>
> (4) "FIRST DRAGGING EQUIPMENT NEAR AXLE zero six eight."
>
> * DEFECTIVE CAR alarm indicates there are more than two defects on a particular car.

Southern Pacific's detectors work the same way but have a slightly different vocabulary. On approach of a train, one might hear:

"S P DETECTOR, MILEPOST THREE ONE EIGHT POINT SIX, INSPECTING WESTWARD TRAIN, ON NUMBER ONE TRACK."

After the train passes, the above is repeated, followed by:

"NO DEFECT. TRANSMISSION OVER."

[Does "over" mean it expects a reply?] If a defect is found, a report is transmitted immediately and a summary of all defects is transmitted after the rear of the train passes the detector site. Locations are

given by axle count from the front of the train instead of from the rear. Hot box detectors state the direction of the train as part of their reports; dragging equipment detectors do not state direction or axle count.

During 1984 Southern Pacific converted all of its hot box and dragging equipment detectors between City of Industry, California and Houston, Texas to radio operation. It began running cabooseless trains between those points on August 16, 1984.

Some railroads' detectors, Seaboard System's for example, identify their locations by name instead of by milepost. Seaboard even has some installations which advise the crew of the total axle count in their train.

C. W. Bartholomai (GA-001) reports that the talking defect detectors used by Southern Railway are connected to a central monitoring office in addition to having radio transmitters:

> "The change from flashing lights to talking detectors has been fairly recent. Unlike Seaboard's, they react only to a problem and do not transmit a "clear" or "negative" report, at least not to the train. I presume the Detector Center has some means of monitoring to assure that the detectors are functioning. When triggered by heat, there are two very short non-voice transmissions (I can't tell if they are identical or not) followed by "Southern Railway, (location), detector alarm" three times. Location of the problem is not transmitted to the train. The Detector Center in Atlanta knows where in the train the defect is."

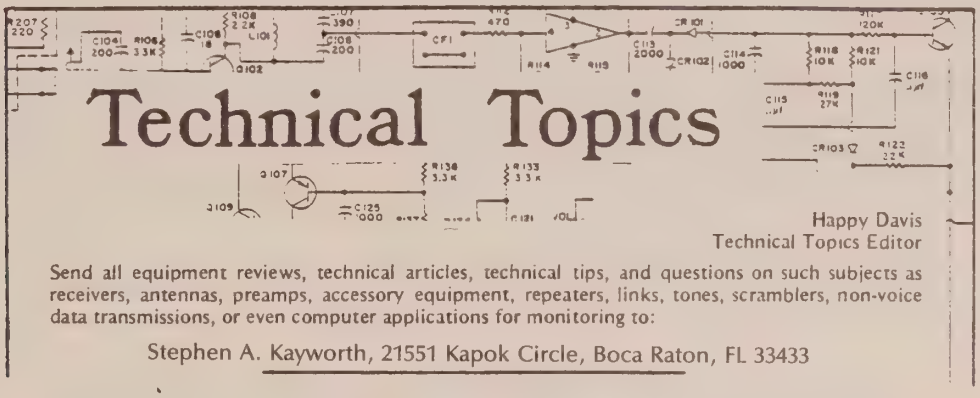
This photo of a talking defect detector was taken by C.W. Bartholomai (GA-001). Located at Duluth, Georgia on the Southern Railway (milepost 611), it is a combination hotbox and dragging equipment detector. The six vertical metal paddles (two outside the rails and four between them) report a dragging equipment defect if anything strikes them while a train is passing. Just beyond the paddles are two sloping assemblies outside the rails. They contain the infrared sensors for counting the axles and for detecting overheated journals. The square metal shed on the left, called a "house" on most railroads, contains the detector electronics and the radio transmitter. The antenna is visible just above the door. No, the equipment is not water-cooled; the tank on the hill in the background is not used by the railroad. Thanks to Bart for this excellent picture of a detector installation.

Detectors usually use low-power transmitters so if you hear one on your scanner, you can be reasonably sure that there is a train in your vicinity. If you are familiar with the mileposts or the names of locations in the area, you can determine its location exactly. And if the detector gives the train's direction, you will know if the train is coming toward you. If you hear a defect reported, you can expect

that the train will be stopped for inspection by the crew. If their examination confirms that a defect exists, the offending car will probably have to be set out at the next siding.

That wraps up our column for this month. While traveling this summer, remember to keep track of any new railroad frequencies you find, so when you get home you can send them to us. Better yet, mail us a postcard right then! We look forward to hearing from you.

—Gary & Bill



Technical Topics

Happy Davis
Technical Topics Editor

Send all equipment reviews, technical articles, technical tips, and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions, or even computer applications for monitoring to:

Stephen A. Kayworth, 21551 Kapok Circle, Boca Raton, FL 33433

REGENCY'S MX-7000

Some Preliminary Notes

Judging by my recent mail, it seems as if the long awaited MX-7000, one of Regency's newest offerings, has finally hit the street in numbers. I am hopeful that I will have the opportunity to check one out on the test bench sometime next week. One of the members will be here in Boca Raton for a few days and he has promised to give me a look at his three-week-old unit. We'll check the sensitivity across its range and try to see what the bandwidth looks like. Unfortunately, the signal generator only goes as high as 999.999 MHz, so we won't be able to check the MX-7000 to its full range of 1300 MHZ, but we'll be close. I will try to give you a full report on the MX-7000 next month, but in the meantime, here are some comments that I have received from some of you.

This first comment comes from ED Sirovy (IL-004). Ed moderates the RCMA Chicago chapter, and these comments were printed in a recent editions of the Chicago chapter's newletter. Ed writes:

> Now the MX-7000 is out and I borrowed one and a la-bor-a-tory to go with it. First the good news: .5 microvolts at 899 MHz - before the Cushman quit. IT WORKS! Coverage is 25 - 550 MHz and .8 - 1.3 GHz! Now the bad news. It is an extended MX-5000. Scan rate is very slow and slower. Images are as expected: 200 - 550 (MHz) - double the transmit frequency and subtract (the) 750 MHz IF, there is your image. (On) 800+ MHz, double the transmit frequency and subtract about 750 MHz ... and there is your image!

Ed also notes that he found the same type of images with the MX-5000. He says, "Subtract the second harmonic of the transmit frequency from 750 and there is the image!"

The following information comes from an evaluation sent by Rene (CA-SE-018).

Frequency Range: 25 - 550 MHz IF: 750 MHZ
800 - 1300 MHz IF: 45.025 MHz

Modes of operation: Narrow and wide band FM and AM - both ranges.

Program/Search increments: 5, 12.5 and 25 KHz

Numeric LCD: Displays channel number, frequency, and error message.

Alpha LCD: Displays priority, lock, delay, scan, search, and increment information. this display is large and legible - a very good feature.

Scan/Search Rate: Same as MX-5000 - slow. Still no hold in search. Poor solution - unsquelch radio on desired frequency.

Microprocessor Noise: At 25 - 50 MHz with telescopic antenna same as MX-5000 - Bad. solution: use a coax fed shielded antenna.

Volume Control: Now also varies the audio level of that annoying "Beep." This is a very good feature.

Sensitivity/Selectivity: 25 - 550 MHz is very good.

Sensitivity/Selectivity: 806.0125 - 893.9875 very good. MHz better than the MX-5000 equipped with CVR-806B converter.

Sensitivity/Selectivity: 884.0375 - 1300.00 MHz No comparison criteria. Some amateur repeaters heard, one, KU6U, at 1290.990. Also, some 952 to 960 MHz traffic monitored.

Problems: The MX-7000 has a 45.025 MHz IF in the 800 - 1300 MHz range which is creating image frequencies at twice the IF. All of my 400 logged 806.0125 - 893.9875 MHz frequencies are also repeated, loud and clear, 90.05 MHz higher up, at 896.0625 - 984.0375 MHz. (This happens) even with the 10 db attenuator switch in the down position, which renders the 896 - 984 MHz range useless in a heavy traffic area. This occurs even with the telescopic antenna.

In the April issue of the Newsletter, you may have read (in Bob's "Computer Corner") about the Bullettin Board System (BBS) here in Boca Raton. Well, this next contribution came to me via computer and the BBS. I received the following message:

> I have had the Regency MkX-7000 for about 3 weeks. It is great! (It has) good sensitivity, good audio if you use an External speaker, and good selectivity/intermod rejection. Just one problem: ----SLOW----it scans slow, and searches slow. It is identical to the MX-5000 but with 800 to 1300 MHz. I use it just to monitor 800 MHz, so I can't say how it is on the normal bands. It is much more sensitive than the converter I got....and with a base antenna ... I have no problem hearing about 15 miles away (not bad on 800).

Well, these comments may get you interested in the MX-7000. There is a lot of interesting listening to be done above 550 MHz. If all goes as planned, I will be able to give you some first hand info on this new entry from Regency in next month's column.

Now that monitoring 800 MHz and above is becoming easier to do, I would like to remind you that your antenna is an important part of any monitoring effort. In the December 1983 issue of the Newsletter, I gave a detailed description of an 800 MHz antenna. I have received reports from a number of people who built this antenna, and they say that it works real well. Any of you who want a cheap but effective antenna to get you going on the higher frequencies should consider building one. If you don't have a copy of that issue of the Newsletter and can't beg, borrow, or steal one, send me a long SASE requesting a copy, and I'll be glad to send it.

That's all for this month. My thanks to Ed (IL-004), Rene (CA-SE-018) and Dean (NJ-115) for their contributions to this month's column.

'till next time

Steve

This column is for the exchange of space communications systems (manned or unmanned), frequency information, orbital data, hobby receiving equipment and antennas. Questions and column input pertaining to Space Communications Monitoring should be sent to:

Larry Van Horn, 160 Lester Dr., Orange Park, FL 32073

NO COLUMN THIS MONTH

VHF Marine

Send information, articles, frequencies and their use, and questions that relate to private, commercial, and Coast Guard VHF maritime and inland waterways radio communications to:
Emmett L. Baxter, Jr., 4122 Granby St., Norfolk, VA 23504

Hello and welcome to your June VHF Marine Column.

Our first report comes from Ken (CA-LA-377) who sends in three shot newspaper articles.The following excerpts,of the three articles,are from the Feb.85 copy of "Soundings" and written by Will Watson.

In "FCC fines mayday hoax caller" by Will Watson,the use of the CB Radio is brought into play because it causes the Coast Guard to launch a two-hour air and sea search after receiving a CB call that a sailboat with'10 people aboard had capsized off Mare Island,San Francisco.

The search was canceled after it was discovered that the call had been a hoax. The caller had been sitting in his car,parked at a local marina and broadcasting the fake calls.The FCC and the Coast Guard worked together by taking bearings,from various locations,to find his exact position.

In "Mayday scofflaws can face felony charges" by Will Watson,we find out that it is a federal felony for any skipper to fail to come to the aid of those in distress.The law applies to all ships in U.S. waters and to all U.S. vessels on the high seas as well. In addition to requiring mariners to come to the aid of those in distress,federal law also gives a measure of protection to those participating in a search or rescue.The Coast Guard also pointed out that the statutes include a "good Samaritan" clause that exempts those involved in a search or rescue from civil libility as long as they use good judgement and reasonable care.

This little-used law was brought to public attention recently when, through a misunderstanding, the Coast Guard accused the captain of a cruise ship of abandoning the search for a passenger who had fallen overboard.

The next day the Coast Guard retracted the charge when it was learned that the ship stayed at the scene of the search until Coast Guard Helicopters arrived and only left when 10 to 15 foot seas placed the ship and its passengers in jeopardy. The Coast Guard searched for the man for 19 hours without anything being found.

The above items all used VHF Radios during the search efforts.

In "Coast Guard creates group in Long Beach",boaters in southern California waters now have a new voice on the marine radio with the creation of Coast Guard Group Long Beach, a move the service hopes will take the load off groups in San Diego and Channel Island.

The new group,which is part of the 11th. District, will have three 82-foot patrol boats and five smaller vessels attached to it. The primary change that boaters will notice is the installation of a new VHF-FM and high frequency single-sideband radio station for coordinating radio traffic and search and rescue operations in the area.

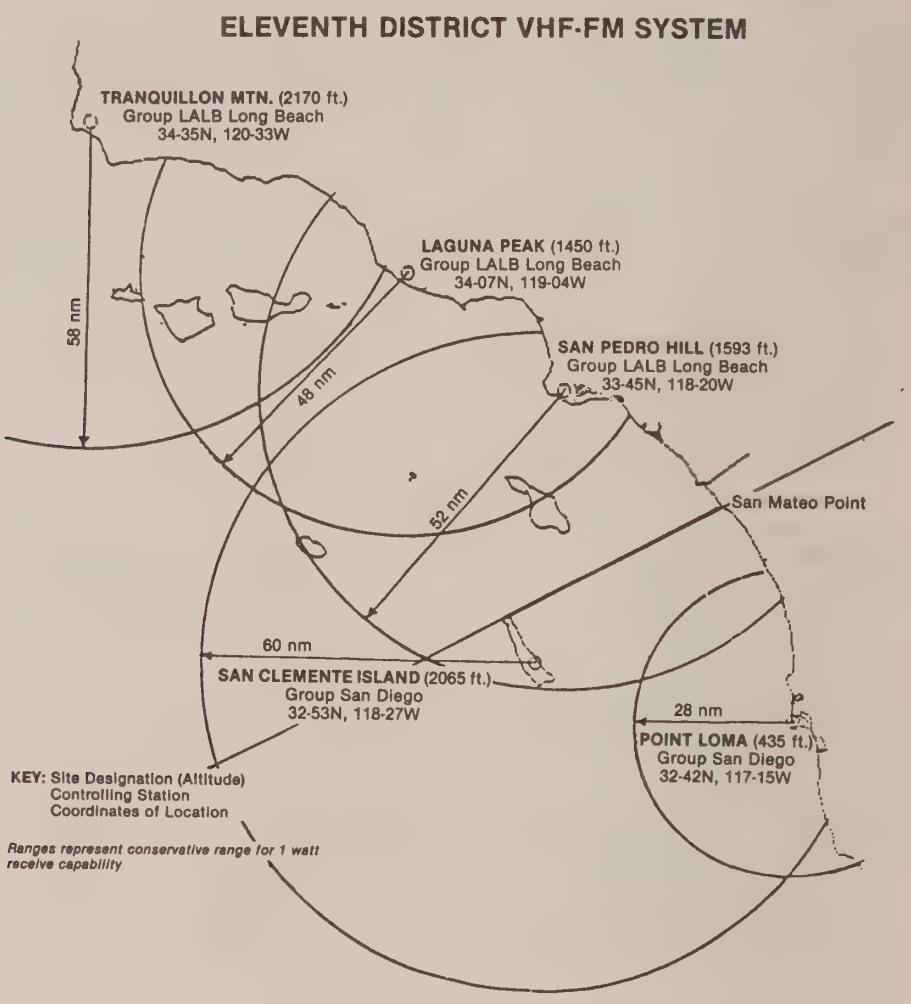
Until now the radio traffic was handled by either San Diego to the south or Channel Island to the north.

The former system was sometimes confusing to boaters in the Long Beach area who assumed they were talking on the radio to a local Coast Guard installation. With the new system,any vessels north of San Mateo Point will talk with Long Beach while boats south of San Mateo Point will talk with San Diego.

Other radio installations in the 11th. District are located at Tranquillon Mountain, Laguna Peak and San Pedro Hill in the Long Beach area; Point Loma and San Clemente Island in the San Diego area.

As you will see in this column there are some HF-SSB Shortwave Marine Frequencies and some Business Listings included in this column. These listings are not meant to snub the editors of the "Below 30 MHZ" and the "Business" Columns. These listings are only printed because

they have natural maritime information and also tie in with VHF information. Lots of these businesses have other frequencies alloted which I will not print because they are not maritime frequencies. These frequencies would be listed in the "Business" column. The marine HF-SSB frequencies will only be listed when they tie in with VHF frequencies or information. If you have any comments, either pro or con, please feel free to send them in. Only with your comments can this column get better. As far as I am concerened the VHF-Marine Column applies to Maritime Information only and the addition of other information like maritime businesses and HF-SSB only tend to enhance the understanding and enjoyment of scanning.



LOS ANGELES/LONG BEACH AREA MARINE FREQUENCY LISTINGS:

Los Angeles:

Cabo San Lucas Travel - WLQ - 4126.4 kc.
Howard I. Cohen - WHU-350 - 4125.0 kc.,4126.4 kc.,8291.1 kc., 8292.5 kc.,12429.2 kc.,12430.6 kc., 12435.4 kc.,12436.8 kc.,16587.1 kc., 16588.5 kc. 156.450,156.800
Harold D.Hileman - WHD-707 - 8295.6 kc.,12433.7 kc.,16591.6 kc.
Los Angeles County - KZJ-347 - 156.600,156.800,156.975
Southwest Processors - WHG-860 - 8295.6 kc.,12433.7 kc.,16591.6 kc.

Long Beach:

A & A Oil Tool & Service - WHU-391 - 156.550,156.700,156.800
Alamitos Bay Yacht Club - KQU-447 - 156.425,156.800
State of California - KXJ-749 - 156.275,156.350,156.425,156.450, 156.500,156.650,156.725,156.800, 156.900

Calmar Provisions - WHG-926 - 156.450,156.800
L.G.Everist Inc. - KXS-396 - 156.800,156.975
Exas Inc. - WQX-688 - 156.500,156.800
Far East Marine Supply - WHF-824 - 156.550,156.800
Frontier Pacific Air - KPB-542 - 4126.4 kc.,4145.0 kc.,4420.8 kc.,
6220.0 kc.,6223.0 kc.,6223.3 kc.,
8292.5 kc.,8295.6 kc.,12430.6 kc.,
12433.7 kc.,12436.8 kc.,16588.5 kc.,
16591.6 kc.,16594.7 kc.,22125.4 kc.,
22128.5 kc.,22131.6 kc.,22134.7 kc.
22137.8 kc.
Genini Marine Inc. - WHG-953 - 4145.0 kc.,6223.0 kc.,8295.6 kc.,
12433.7 kc.
156.350,156.450,156.800
Henderson & Co. South - WHD-634 - 156.350,156.800
Interocean Management - KJA-935 - 156.550,156.800
Interocean Steamship - WHG-933 - 156.550,156.800
Jacobsen Pilot Service - KMA-372 - 156.350,156.600,156.725,156.800
Japan Line USA Ltd. - KJA-313 - 156.550,156.800
Jones Tug & Barge Co. - KLU-766 - 156.800,156.900
Julian Ship Supplies - WXZ-513 - 156.450,156.800
Karlander Kangaroo Lines - WHU-654 - 156.450,156.800
LBMESC Inc. - WHG-520 - 8292.5 kc.,8295.6 kc.,12430.6 kc.,12433.7 kc.,
12436.8 kc.,16588.5 kc.,16591.6 kc.,
16594.7 kc.
City of Long Beach - WHU-336 - 156.450,156.600,156.800
WQB-491 - 156.450,156.600,156.800
WQB-492 - 156.450,156.600,156.800
Long Beach Yacht Club - WXY-957 - 8292.5 kc.,8295.6 kc.,12430.6 kc.,
12436.8 kc.,16588.5 kc.,
16594.7 kc.
WHF-776 - 156.450,156.800
City of Los Angeles - KVY-723 - 156.650,156.800,157.700
Maersk Line Agency - WRV-346 - 156.550,156.800
Marine Express Co. - WHG-624 - 156.500,156.800
Marine Transport Lines - WRV-345 - 8292.5 kc.,8295.6 kc.,12430.6 kc.,
12433.7 kc.,16588.5 kc.,
16591.6 kc.,22125.4 kc.,
22128.5 kc.
156.800,156.975

McDonnel Douglas Radio - KMF-9 - 2852.4 kc.,3005.4 kc.,3444.4 kc.
Mickeys Belmont - WQZ- 325 - 156.500,156.800
Norton Lilly & Co. - WQZ-217 - 156.500,156.800
Ocean Services Inc. - WRS-963 - 156.800,157.025
Pacific Laundry - WHF-755 - 156.450,156.800
Pacific Marine Surveyors - WHH-254 - 4126.4 kc.,4145.0 kc.,6220.0 kc.,
6223.0 kc.,8292.5 kc.,8295.6 kc.,
12430.6 kc.,12433.7 kc.,
16588.5 kc.,16591.6 kc.
Pacific Shipping Service - WHU-670 - 156.450,156.800
Pacific Towboat - KCR - 4145.0 kc.,6220.0 kc.,8292.5 kc.,12430.6 kc.,
12436.8 kc.,16594.7 kc.,22137.8 kc.
KMB-270 - 156.800,156.950
Potashnick Construction - WQB-573 - 156.550,156.800
Seal Beach Yacht Club - WHG-527 - 156.450,156.800
Sea Land Service Inc. - KPA - 4126.4 kc.,8295.6 kc.,12430.6 kc.,
16588.5 kc.,22134.7 kc.
156.500,156.600,156.800
Shell Communications - WXY-948 - 156.675,156.800,156.900
Shoreline Yacht Club - WHU-448 - 4125.0 kc.,4126.4 kc.,6218.6 kc.,
6220.0 kc.,8291.1 kc.,8292.5 kc.,
12429.2 kc.,12430.6 kc.,12432.3 kc.,
12433.7 kc.,16587.1 kc.,
16588.5 kc.,16590.2 kc.,
16591.6 kc.,22124.0 kc.,
22125.4 kc.,22127.1 kc.,
22128.5 kc.
156.450,156.800
Sperry Corp. - WHH-312 - 156.450,156.800
Standard Oil Co. - WQB-545 - 156.550,156.800,157.025

Texaco Mineral Co. - KUZ-449 - 4145.0 kc.,6220.0 kc.,8292.5 kc.,
12433.7 kc.,16591.6 kc.,22125.4 kc.
156.800,156.900
Tug Communications Inc. - WQZ-415 - 156.500,156.800
WQZ-449 - 2097.9 kc.,2183.4 kc.
156.500,156.800
Typhoon Marine Electronics - WHU-516 - 156.450,156.800
United States Lines - WQB-487 - 4126.4 kc.,4145.0 kc.,6220.0 kc.,
6223.0 kc.,8292.5 kc.,8295.6 kc.,
12430.6 kc.,12433.7 kc.,16588.5 kc.,
16591.6 kc.,22125.4 kc.,22128.5 kc.
Universal Marine Corp. - KZA-941 - 156.500,156.800
Western Marine Corp. - WQB-454 - 2097.9 kc.,2183.4 kc.,4126.4 kc.,
4145.0 kc.,6220.0 kc.,6223.0 kc.,
8292.5 kc.,8295.6 kc.,12430.6 kc.,
12436.8 kc.,16588.5 kc.,16594.7 kc.,
22125.4 kc.,22131.6 kc.
156.450,156.800,157.025

San Pedro:

Ted Banghart Associates - WHU-679 - 156.800,156.900
Gerry A. Biazuvich - WRV-387 - 4126.4 kc.,4145.0 kc.,4420.8 kc.,
6220.0 kc.,6223.0 kc.,6523.3 kc.,
8292.5 kc.,8295.6 kc.,12430.6 kc.,
12433.7 kc.,12436.8 kc.,16588.5 kc.,
16591.6 kc.,16594.7 kc.,22125.4 kc.,
22128.5 kc.,22131.6 kc.,22134.7 kc.,
22137.8 kc.
156.50,156.800

Budget Steamship Co. - WHD-864 - 156.500,156.800
Southern California - WQA-870 - 156.800,156.975
Commercial Marine - KOC - 4126.4 kc.,6220.0 kc.,8292.5 kc.,
12430.6 kc.,16588.5 kc.,22125.4 kc.
156.500,156.800
Drew Chemical Corp. - KPB-506 - 156.500,156.800
Phillip A. Felando - KEB-280 - 4126.4 kc.,4145.0 kc.,4420.8 kc.,
6220.0 kc.,6223.3 kc.,6523.3 kc.,
8292.5 kc.,8295.6 kc.,12430.6 kc.,
12433.7 kc.,12436.8 kc.,16588.5 kc.,
16591.6 kc.,16594.7 kc.,22125.4 kc.,
22128.5 kc.,22131.6 kc.,22134.7 kc.,
22137.8 kc.
Harbor Ship Supply Co. - WHD-758 - 156.800,157.025
Independent Fish Co. - WQZ-214 - 156.450,156.800
Thomas J. Jankovich - WHF-741 - 156.800,157.025
City of Los Angeles - KEB-260 - 156.700,156.800
WQB-595 - 156.700,156.800
Marine exchange of Los Angeles - KGW-299 - 156.275,156.600,156.650,
156.700,156.725,156.800

Arlene McCogy - WRS-947 - 156.450,156.800
Meridian Ocean Systems - WHU-279 - 156.800,156.975
Laverl E. Misetich - KZC-650 - 4126.4 kc.,4145.0 kc.,4420.8 kc.,
6220.0 kc.,6523.3 kc.,8292.5 kc.,
8295.6 kc.,12430.6 kc.,12433.7 kc.,
12436.8 kc.,16588.5 kc.,16591.6 kc.,
16594.7 kc.,22125.4 kc.,22128.5 kc.,
22131.6 kc.,22134.7 kc.22137.8 kc.
156.800,157.025
Neptune Electronics - KVR-499 - 4126.4 kc.,4145.0 kc.,4420.8 kc.,
6220.0 kc.,6223.0 kc.,6523.3 kc.,
8292.5 kc.,8295.6 kc.,12430.6 kc.,
12433.7 kc.,12436.8 kc.,16588.5 kc.,
16591.6 kc.,16594.7 kc.,22125.4 kc.,
22128.5 kc.,22131.6 kc.,22134.7 kc.,
22137.8 kc.
156.500,156.800
Pacific Telephone - KZA-935 - 156.800,157.200,157.300
Pioneer Fisheries - WRS-952 - 156.450,156.800
Vince Porpora - WRS-932 - 156.450,156.800
Radiocall Corp. - KUF-847 - 156.800,161.875,161.950,161.975
Peter Russo - WRS-934 - 156.450,156.800

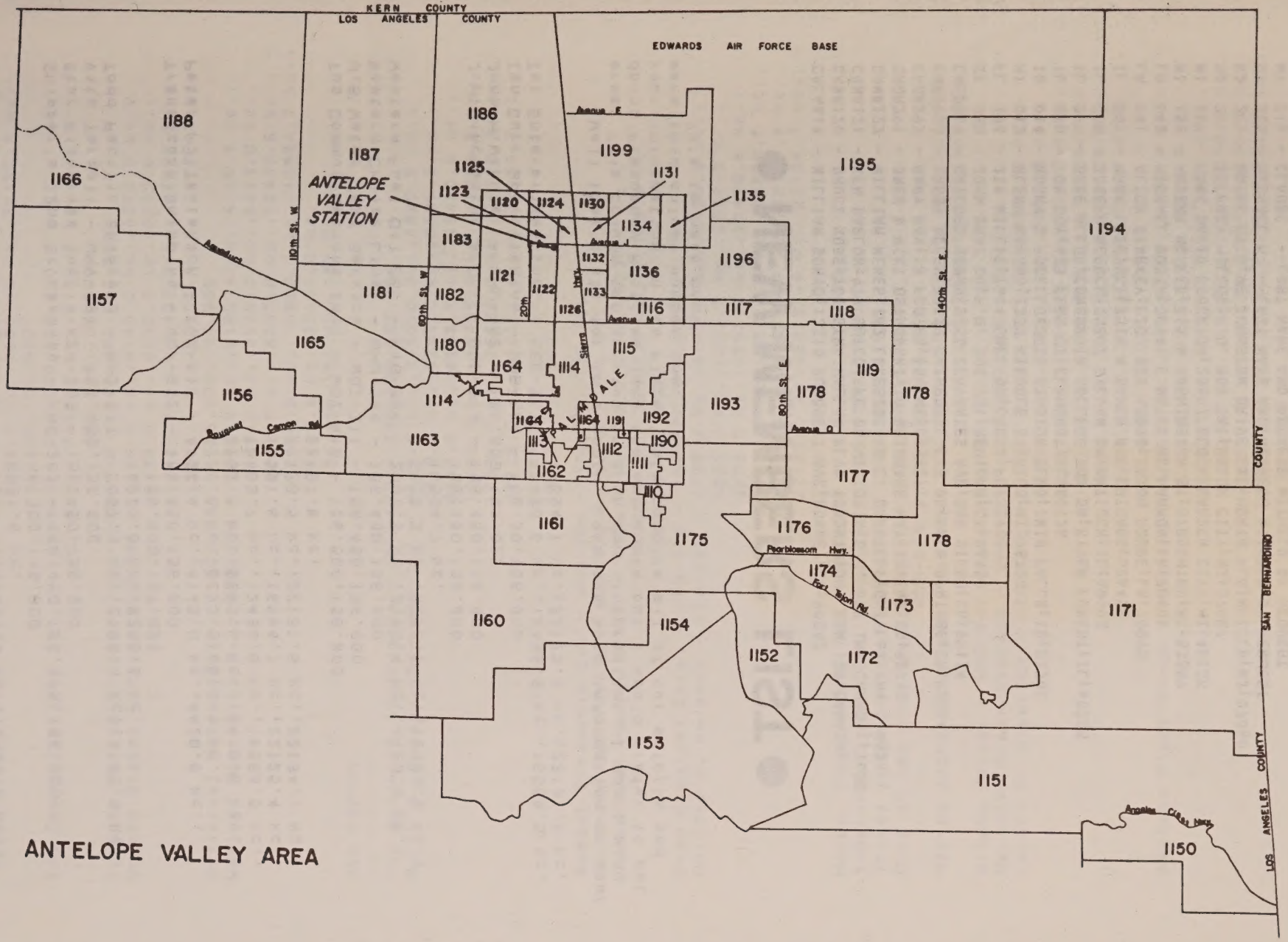
San Pedro Marina - WHG-904 - 156.575,156.800
Sause Bros Ocean Towing - KKU - 4126.4 kc.,8295.6 kc.,12430.6 kc.,
16591.6 kc.
156.350,156.800
Skipper's 22nd St.Landing - KMC-202 - 156.450,156.475,156.800
Star Fisheries Inc. - KZP-308 - 156.450,156.800
Vito Terzoli - WRV-487 - 156.450,156.800
Todd Pacific Shipyard - WHD-877 - 2097.9 kc.,2183.4 kc.,4145.0 kc.,
6223.0 kc.,8295.6 kc.
156.800,157.025
Transocean Shipping - WQX-632 - 156.450,156.800
Peter P. Trutanich - KUZ-512 - 4126.4 kc.,4145.0 kc.,4420.8 kc.,
6220.0 kc.,6223.0,6523.3 kc.,
8292.5 kc.,8295.6 kc.,12430.6 kc.,
12433.7 kc.,12436.8 kc.,16588.5 kc.,
16591.6 kc.,16594.7 kc.,22125.4 kc.,
22128.5 kc.,22131.6 kc.,22134.7 kc.,
22137.8 kc.
Tug Communications Inc. - WQZ-416 - 156.500,156.800
U.S.Water Taxi Service - WQZ-311 - 156.450,156.800
Western Cruise Lines - WHU-544 - 156.450,156.800
Western Fuel Oil Co. - KYG-984 - 2097.9 kc.,2183.4 kc.,4420.8 kc.,
6523.3 kc.,8292.5 kc.,12430.6 kc.,
16594.7 kc.
156.450,156.800
J.H.Winchester & Co. - WQB-319 - 156.450,156.800
John H.Winkler - WHU-452 - 156.800,157.025
Zan Durr Sportfishing - WQB-684 - 156.50,156.800
Zee Enterprises Inc. - KEB-261 - 12430.6 kc.,12436.8 kc.,16588.5 kc.
16594.7 kc.,22125.4 kc.,22131.6 kc.

Well that's all for this month. Let's see some information on your area. This column can survive only on your information. I don't mind doing Frequency Profiles like the one above but I would prefer to put your information in its place. Lets combine all of our efforts and make this column number one.

73's to next month.

● NEW MEMBERS LIST ●

CALA614 - WILLIAM GONYO;12310 BLODGETT AVE;DOWNEY;CA;90242
CANA120 - BRUCE ROSS;101 STRATHALLAN BLVD TORONTO;ONT M5N 1S8 CANADA;;
CANA121 - KEN BARLOW;977 SUTCLIFFE DR VICTORIA;B.C. V8Y 1M9 CANADA;;1650
CANA122 - WILLIAM MEWES;162 LAKESIDE RD E. OAKVILLE;ONT L6J 1H4 CANADA;;
CAOR291 - DREW & RIKI OSTROWSKI;10 BRISBANE WAY;IRVINE;CA;92715
CAOR292 - GARY RAY;18 PORTER;IRVINE;CA;92714
CARI056 - RANDY ALLEN;37529 CATHEDRAL CYN DR;PALM SPRINGS;CA;92264
CASD069 - GAYLORD BROWN;5256 CERVANTES AVE;SAN DIEGO;CA;92114
CT 088 - JOHN BRAY SR;P.O. BOX 751;MERIDAN;CT;06450
FL 194 - JIM WILLIS;1614 LAKE DR;COCOA;FL;32926
HI 012 - GLENN NAKANO;1332 KINOOLE ST;HILO;HI;96720
ID 014 - ROCKY S ROBELLO;2016 STADIUM BLVD;TWIN FALLS;ID;83301
IL 298 - TOM GUY;623 FERN CT;ELMHURST;IL;60126
IL 299 - DALE ALLOR;CONCORDIA COLLEGE BOX 5A;RIVER FOREST;IL;60305
IL 300 - JOSEPH SEROCK;25802 SYLVAN DR;ANTIOCH;IL;60002
IL 301 - MARK LETOVSKY;7514 N DAMEN AVE;CHICAGO;60645;
LA 041 - ALTON STARKEY;P.O. BOX 45096;BATON ROUGE;LA;70895
LA 042 - MICHAEL BOOTH;30941 E BATES RD;HAMMON;LA;70401
MI 156 - ROBERT MC KEE;415 W WASHINGTON ST;STOUGHTON;MI;53589
MI 157 - MARK DAVID STOCKTON;28607 BLOCK;GARDEN CITY;MI;48135
NJ 201 - JEFFREY MILLER;P.O. BOX 341;UNION CITY;NJ;07087
NJ 202 - WAYNE OTTO;92 JOHNSTON DRIVE EXE;NORTH PLAINFIELD;NJ;07060
NY 315 - MICHAEL M --LAST NAME AND ADDRESS WITHELD BY REQUEST
NY 316 - CLAUDE --LAST NAME AND ADDRESS WITHELD BY REQUEST
NY 317 - KIRBY MCELHEARN;35-30 38TH ST;LONG ISLAND;NY;11106
NY 318 - DAVID POTTER;2803 MAIN ST;BUFFALO;NY;14124;
NY 319 - RICHARD BERG-ANDERSON;47-11 48TH AVE #1;WOODSIDE;NY;11377
OK 037 - RICHARD MEEK;P.O. BOX 188;BARTLESVILLE;OK;74003
VA 093 - HOLLIS JORDAN;RT 1 BOX 82;MT SOLON;VA;22843



ANTELOPE VALLEY AREA

MEMBERSHIP CARDS AND BADGES

RCMA has no badges, decals, or membership cards for sale or distribution. The label on your newsletter is your membership card. While other clubs may have gimmicks or commercial good deals, our 'good deal' is your newsletter. You determine its content because you write it.

MAILING PROCEDURES

The newsletter mailed each month has a cover date for the following month. This practice is followed so that the US Post Office can deliver your issue no later than the first of the month designated on the cover.

New members whose applications are received before the end of the month will begin receiving the newsletter the following month. The first issue will be dated the month after that — as described above.

RENEWAL PROCEDURES

The date printed after the membership number on your newsletter mailing label shows the last month of your current membership. It is important to renew your membership by that date, as promptness on your part ensures uninterrupted delivery of the newsletter.

Renewal checks and new membership applications received by RCMA's General Manager, P.O. Box 542, Silverado, CA 92676, are processed for deposit on a weekly basis. Actual computer updating is done at the end of each month. Therefore, it is possible that your check or money order can be received — and even deposited — and your next issue will contain the statement "renewal overdue" on the mailing label. This simply means that your renewal was received after the cut-off date for runnning updated mailing labels.

PRORATED MEMBERSHIPS

Due to postage costs and other considerations, membership applications or renewals for any sum less than the current rate are prorated accordingly. This means that the renewal date will be due in less than a year. Please do not send more money to finish the year; just renew when your prorated date comes up.

Also because of postage costs, RCMA cannot comply with member requests to supply back issues free of additional charge (see the monthly Calendar section regarding ordering of back issues). If a late renewal results in a missed issue, the newsletter can be ordered from RCMA's secretary.

ADDRESS CHANGES

MEMBER notifications of address changes are also updated at the end of each month. If this type of address change notice arrives after the cut-off date, the mailing label will not reflect the new address until the following month.

The newsletter is mailed 3rd class under a bulk mail permit. When a member's address change is supplied by the POST OFFICE (instead of by the member), the charge to the club is 25¢. Although this fee is supposed to include forwarding of an issue to the new address, the result is often simply a return of the issue to P.O. 4563. The message is clear: when you move, notify RCMA yourself. Don't wait for the Post Office to do it.

SPECIAL FREQUENCY REQUESTS

Get in touch with your local RCMA group (see monthly Calendar section for chapter listings) or use the Contact/Information Wanted column for frequencies in your area. RCMA is not yet set up for national distribution of frequencies, although ultimately, the 'big picture' could include copies of the FCC and IRAC data bases, a fast computer, and software to select and sort in any order.

Contributions of frequencies and other material must be sent to the appropriate newsletter editor. (Editors use their own discretion in printing material sent them by non-members.) Data sent to P.O. Box 4563 is always subject to delay and sometimes cannot be forwarded because of postage costs.

DISCLAIMER

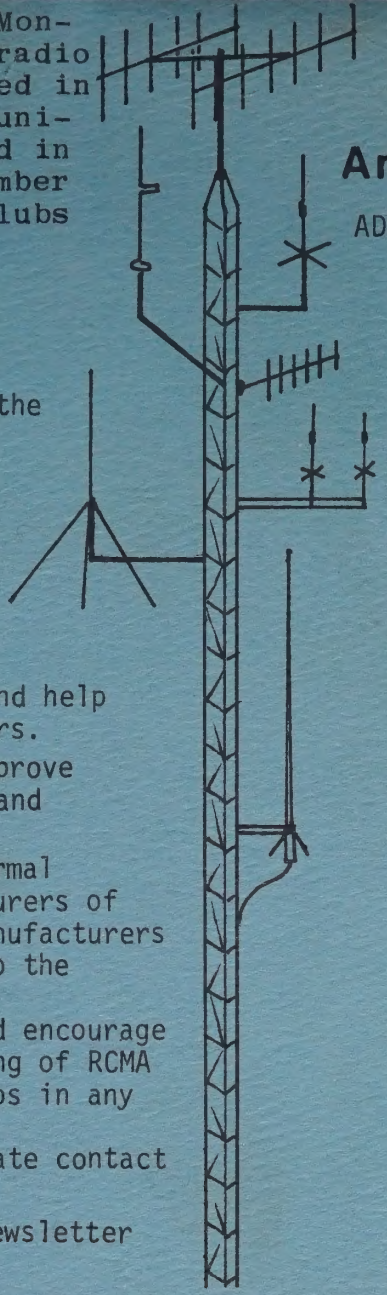
RCMA is a non-profit club for scanner enthusiasts. Neither RCMA or its newsletter are affiliated with, participate in the management of, or are responsible for, any other organization or publication. This disclaimer includes application to POLICE CALL, an annual publication put out by RCMA's good friend Gene Hughes. Queries about this publication cannot be answered by RCMA.

PLEASE REMEMBER — When writing to RCMA for any reason, include your membership number. Use it on your correspondence, checks, or money orders. RCMA tries hard to be responsive to your questions/problems. Using your membership number when you write helps us be of help to you.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications. RCMA was founded in May 1975 and is a Full Member of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



RCMA
P.O. Box 4563
Anaheim, CA 92803

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